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**Javascript Artificial
Intelligence Made
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Programming
Create Your**

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Problem Solving
Algorithms Today W
Machine Learning
Data Structures
Artificial Intelligence Series

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Artificial Intelligence Made

Intelligence Series

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Robotic Thinker! " This
book will help you get
started with this exciting
language and gives you***

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***an idea of what is
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B, from Amazon.com "***
***The examples it uses are
easy to follow and the
illustrations bring out the
more complex aspects***

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simple. " - C. Brant, from
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programming then
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the Next SIRI? Artificial
Intelligence. One of the
most brilliant creations of
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fi fantasy, but a realistic***

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*approach to making work
more efficient and lives
easier. And the best news?
It's not that complicated
after all Does it require
THAT much advanced
math? NO! And are you*

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*paying THOUSANDS of
dollars just to learn this
information?
NO! Hundreds? Not even
close. Within this book's
pages, you'll find GREAT
coding skills to learn -*

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***Efficiency- How to
interpret a system into
logical code for the AI-
How would an AI system
would diagnose a system?
We show you...- Getting
an AI agent to solve***

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problems for youand
Much, much more!World-
Class TrainingThis book
breaks your training
down into easy-to-
understand modules. It
starts from the very

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**essentials of algorithms
and program procedures,
so you can write great
code - even as a beginner!
Get hands-on with the
browser-based JavaScript
library for training and**

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*deploying machine
learning models
effectively Key Features
Build, train and run
machine learning models
in the browser using
TensorFlow.js Create*

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**smart web applications
from scratch with the
help of useful examples**
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Learning Data Structures
Use flexible and intuitive
APIs from TensorFlow.js
to understand how
machine learning

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algorithms function Book
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Description TensorFlow.js
Algorithms Today W Machine
is a framework that
Learning Data Structures
enables you to create
Artificial Intelligence Series
performant machine
learning (ML)
applications that run

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***smoothly in a web
browser. With this book,
you will learn how to use
TensorFlow.js to
implement various ML
models through an
example-based approach.***

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***Starting with the basics,
you'll understand how ML
models can be built on
the web. Moving on, you
will get to grips with the
TensorFlow.js ecosystem
to develop applications***

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***more efficiently. The book
will then guide you
through implementing
ML techniques and
algorithms such as
regression, clustering,
fast Fourier transform***

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***(FFT), and dimensionality
reduction. You will later
cover the Bellman
equation to solve Markov
decision process (MDP)
problems and understand
how it is related to***

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reinforcement learning.
Create Your Problem Solving
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Learning Data Structures
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**Finally, you will explore
techniques for deploying
ML-based web
applications and training
models with TensorFlow
Core. Throughout this ML**

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***book, you'll discover
useful tips and tricks that
will build on your
knowledge. By the end of
this book, you will be
equipped with the skills
you need to create your***

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***own web-based ML
applications and fine-tune
models to achieve high
performance. What you
will learn Use the t-SNE
algorithm in
TensorFlow.js to reduce***

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***dimensions in an input
dataset Deploy tfjs-
converter to convert
Keras models and load
them into TensorFlow.js
Apply the Bellman
equation to solve MDP***

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**problems Use the k-
means algorithm in
TensorFlow.js to visualize
prediction results Create
tf.js packages with Parcel,
Webpack, and Rollup to
deploy web apps**

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**Implement tf.js backend
frameworks to tune and
accelerate app
performance Who this
book is for This book is
for web developers who
want to learn how to**

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***integrate machine
learning techniques with
web-based applications
from scratch. This book
will also appeal to data
scientists, machine
learning practitioners,***

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**and deep learning
enthusiasts who are
looking to perform
accelerated, browser-
based machine learning
on Web using
TensorFlow.js. Working**

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knowledge of JavaScript
Create Your Problem Solving
programming language is
Algorithms Today W Machine
all you need to get
Learning Data Structures
started.
Artificial Intelligence Series

**"In this book, Peter Robin
Hiesinger explores
historical and**

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***contemporary attempts to
understand the
information needed to
make biological and
artificial neural networks.
Developmental
neurobiologists and***

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**computer scientists with
an interest in artificial
intelligence - driven by
the promise and
resources of biomedical
research on the one hand,
and by the promise and**

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***advances of computer
technology on the other -
are trying to understand
the fundamental
principles that guide the
generation of an
intelligent system. Yet,***

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***though researchers in
these disciplines share a
common interest, their
perspectives and
approaches are often
quite different. The book
makes the case that "the***

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information problem"
underlies both fields,
driving the questions that
are driving forward the
frontiers, and aims to
encourage cross-
disciplinary

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**communication and
understanding, to help
both fields make
progress. The questions
that challenge
researchers in these
fields include the**

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***following. How does
genetic information
unfold during the years-
long process of human
brain development, and
can this be a short-cut to
create human-level***

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***artificial intelligence? Is
the biological brain just
messy hardware that can
be improved upon by
running learning
algorithms in computers?
Can artificial intelligence***

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***bypass evolutionary
programming of "grown"
networks? These
questions are tightly
linked, and answering
them requires an
understanding of how***

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**information unfolds
algorithmically to
generate functional
neural networks. Via a
series of closely linked
"discussions" (fictional
dialogues between**

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**researchers in different
disciplines) and
pedagogical "seminars,"
the author explores the
different challenges
facing researchers
working on neural**

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***networks, their different
perspectives and
approaches, as well as the
common ground and
understanding to be
found amongst those
sharing an interest in the***

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***development of biological
brains and artificial
intelligent systems"--
Create learning
experiences that
transform not only
learning, but life itself.***

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and expand your world of
learning. This hands-on
companion to the
runaway best-seller, Deep
Learning: Engage the
World Change the World,***

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***provides an essential
roadmap for building
capacity in teachers,
schools, districts, and
systems to design deep
learning, measure
progress, and assess***

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activate and sustain
innovation. Loaded with
tips, tools, protocols, and
real-world examples, the
easy-to-use guide has
everything educators***

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*need to construct and
drive meaningful deep
learning experiences that
give purpose, unleash
student potential, and
prepare students to
become problem-solving*

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***change agents in a global
society.***
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TensorFlow.js for Web***

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Programming; Learn to
Create Your Problem
Solving Algorithms!
Today! With Machine
Learning & Data

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Structures
Create Your Problem Solving
Deep Learning with
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The Self-Assembling
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Brain
Machine Learning with
TensorFlow Lite on

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Power Microcontrollers***

Algorithm Today W Machine
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skills are becoming more

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and more important in our
technological world. These
concept books will
familiarize young ones
with the kind of shapes
and colors that make up
web-based programming

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language and give them the
head start they need.
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be standards compliant!
Show your little ones how
to add function to a web
page with JavaScript and

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Algorithms Today W/ Machine
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familiarize them with the
variables and events that
make up the essential
building blocks of the
web.

Gear up for a roller-
coaster ride into the

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world of JavaScript and
programming with this easy-
to-follow, fun, and
entertaining project-based
guide About This Book Get
to know the concepts of
HTML and CSS to work with

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concepts of object-
oriented programming
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guide on the fundamentals
of JavaScript programming
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you've never written code
before or you are
completely new to the
world of web programming,
then this book is the Series
right choice for you. This
book is for kids of age 10

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years and above and
parents who are completely
new to the world of
programming and want to
get introduced to
programming. What You Will
Learn Learn how to work

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with Google Developer
tools to iterate, debug
Create Your Problem Solving
and profile your code
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Learning Data Structures
using the basic concepts
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of HTML and CSS Get to
know the fundamentals of

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Create our own version of
Pac Man game. Discover the
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Detail JavaScript is the
most widely-used

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programming language for
web development and that's
not all! It has evolved
over the years and is now
being implemented in an
array of environments from
websites to robotics.

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help you see the broader
picture of web
development. This book
will take your imagination
to new heights by teaching
you how to work with

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JavaScript from scratch.
It will introduce you to
HTML and CSS to enhance
the appearance of your
applications. You'll then
use your skills to build
on a cool Battleship game!

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From there, the book will
introduce you to jQuery
and show you how you can
manipulate the DOM. You'll
get to play with some cool
stuff using Canvas and
will learn how to make use

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of Canvas to build a game
Create Your Problem Solving
on the lines of Pacman,
Algorithms Today W Machine
only a whole lot cooler!
Learning Data Structures
Finally, it will show you
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a few tricks with OOP to
make your code clean and
will end with a few road

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maps on areas you can
explore further. Style and
approach This is an easy-
to-follow, informative,
and fun guide that takes a
project-based approach to
teaching programming in

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Given the demand for AI
and the ubiquity of
JavaScript, TensorFlow.js

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was inevitable. With this
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developers alike can help
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propel the future of AI-
driven websites. In this
guide, author Gant

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for a broad technical

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audience that includes
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examples in TensorFlow.js

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before diving deeper into
neural network
architectures, DataFrames,
TensorFlow Hub, model
conversion, transfer
learning, and more. Once
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you'll know how to build
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date introduction to the
theory and practice of

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undergraduate or graduate-
level courses in
Artificial Intelligence.

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with fastai and PyTorch
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Intelligence
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the fields of computer vision,
image processing, and natural

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language applications. Thanks to
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TensorFlow.js, now JavaScript
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developers can build deep
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learning apps without relying on
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Python or R. Deep Learning with
JavaScript shows developers
how they can bring DL

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technology to the web. Written
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by the main authors of the
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TensorFlow library, this new
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book provides fascinating use
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cases and in-depth instruction for
deep learning apps in JavaScript
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"Artificial intelligence &
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Development - MinMax algorithm

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- 'Computer vs You' Tic Tac Toe
AI game"--Resource description
page.

A hands-on, application-based
introduction to machine learning
and artificial intelligence (AI) that
guides young readers through

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creating compelling AI-powered
games and applications using
the Scratch programming
language. Machine learning (also
known as ML) is one of the
building blocks of AI, or artificial
intelligence. AI is based on the

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idea that computers can learn on
their own, with your help.
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website, you'll see how easy it is to add machine learning to your own projects. You don't even need to know how to code! As you work through the book you'll discover how machine learning systems can be taught to

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and sounds, and how to train
your models to improve their
accuracy. You'll turn your models
into fun computer games and
apps, and see what happens
when they get confused by bad

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- An app that recommends movies based on other movies that you like
- A

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computer character that reacts to
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commands • An AI version of
Pac-Man, with a smart character
that knows how to avoid ghosts

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NOTE: This book includes a
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problems that seem new or
unique are usually rooted in well-
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Problems in Python guides you
through time-tested scenarios,
exercises, and algorithms that
will prepare you for the “new”
problems you’ll face when you
start your next project. In this
amazing book, you'll tackle

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dozens of coding challenges,
ranging from simple tasks like
binary search algorithms to
clustering data using k-means.
As you work through examples
for web development, machine
learning, and more, you'll

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you've forgotten and discover
classic solutions that will save
you hours of time. What You Will
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Common techniques for graphs
Neural networks Genetic

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algorithms Adversarial search
Create Your Problem Solving
Uses type hints throughout This
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Book Is Written For For
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intermediate Python
Artificial Intelligence Series
programmers. About The Author
David Kopec is an assistant
professor of Computer Science

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and Innovation at Champlain
College in Burlington, Vermont.
He is the author of Dart for
Absolute Beginners (Apress,
2014), Classic Computer
Science Problems in Swift
(Manning, 2018), and Classic

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problems Graph problems
Genetic algorithms K-means
clustering Fairly simple neural

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Miscellaneous problems
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Power, Illusion and Control of
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Tic Tac Toe AI

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One of Mark Cuban's top
reads for better
understanding A.I. (inc.com,
2021) Your comprehensive
entry-level guide to machine
learning While machine
learning expertise doesn't

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quite mean you can create
your own Turing Test-proof
android—as in the movie Ex
one of the most exciting
technological means of
identifying opportunities

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and solving problems fast
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and on a large scale. Anyone
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who masters the principles
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of machine learning is
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mastering a big part of our
tech future and opening up
incredible new directions in
careers that include fraud

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detection, optimizing search
results, serving real-time
ads, credit-scoring,
building accurate and
sophisticated pricing
models—and way, way more.
Unlike most machine learning
books, the fully updated 2nd

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Edition of Machine Learning
For Dummies doesn't assume
you have years of experience
using programming languages
such as Python (R source is
also included in a
downloadable form with
comments and explanations),

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but lets you in on the
ground floor, covering the
entry-level materials that
will get you up and running
building models you need to
perform practical tasks. It
takes a look at the
underlying—and

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fascinating—math principles
Create Your Problem Solving
that power machine learning
Algorithms Today W Machine
but also shows that you
Learning Data Structures
don't need to be a math whiz
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to build fun new tools and
apply them to your work and
study. Understand the
history of AI and machine

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learning Work with Python
3.8 and TensorFlow 2.x (and
R as a download) Build and
test your own models Use the
latest datasets, rather than
the worn out data found in
other books Apply machine
learning to real problems

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best introduction to machine
learning, allowing you to
become quickly confident

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types of neural networks and
popular deep learning
algorithms Leverage popular
Python deep learning
libraries for your AI

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projects Book Description
Artificial Intelligence (AI)
is the newest technology
that's being employed among
varied businesses,
industries, and sectors.

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deep learning and neural
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these projects with the help
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end of this book, you will
be confident in building

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your own AI projects with
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on more advanced projects as
you progress What you will
learn Build a prediction
model using decision trees
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*Written by NASA JPL
Deputy CTO and Principal
Data Scientist Chris
Mattmann, all examples
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No previous experience with Keras, TensorFlow, or machine learning is required. About the Author François Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-

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learning library, as well as
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learning research, with a
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reasoning. His papers have
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this is an essential and
unmissable resource. What
You Will Learn Explore how
to use different machine

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learning and predictive
analytics are transforming
the way businesses and other
organizations operate. Being
able to understand trends
and patterns in complex data
is critical to success,
becoming one of the key

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key insights into your data
- its unique capabilities as
a language let you build
sophisticated algorithms and

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statistical models that can
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reveal new perspectives and
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answer key questions that
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are vital for success.
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gives you access to the
world of predictive
analytics and demonstrates

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why Python is one of the
world's leading data science
languages. If you want to
ask better questions of
data, or need to improve and
extend the capabilities of
your machine learning
systems, this practical data

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science book is invaluable.
Create Your Problem Solving
Covering a wide range of
powerful Python libraries,
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including scikit-learn,
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Theano, and Keras, and
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featuring guidance and tips
on everything from sentiment
analysis to neural networks,

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you'll soon be able to
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answer some of the most
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important questions facing
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you and your organization.
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Style and approach Python
Machine Learning connects
the fundamental theoretical
principles behind machine

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learning to their practical
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application in a way that
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focuses you on asking and
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answering the right
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questions. It walks you
through the key elements of
Python and its powerful
machine learning libraries,

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while demonstrating how to
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get to grips with a range of
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Sites with JavaScript
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Get hands-on with building data-driven applications using Danfo.js in combination with other data analysis tools and techniques Key Features Build microservices to perform data transformation and ML model

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serving in JavaScriptExplore
what Danfo.js is and how it helps
with data analysis and data
visualizationCombine Danfo.js
and TensorFlow.js for machine
learningBook Description Most
data analysts use Python and

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**pandas for data processing for
the convenience and
performance these libraries
provide. However, JavaScript
developers have always wanted
to use machine learning in the
browser as well. This book**

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focuses on how Danfo.js brings data processing, analysis, and ML tools to JavaScript developers and how to make the most of this library to build data-driven applications. Starting with an overview of modern

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**JavaScript, you'll cover data
analysis and transformation with
Danfo.js and Dnotebook. The
book then shows you how to
load different datasets, combine
and analyze them by performing
operations such as handling**

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missing values and string
manipulations. You'll also get to
grips with data plotting,
visualization, aggregation, and
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advance, you'll create a no-code

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**data analysis and handling
system and create-react-app,
react-table, react-chart,
Draggable.js, and tailwindcss,
and understand how to use
TensorFlow.js and Danfo.js to
build a recommendation system.**

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Finally, you'll build a Twitter
analytics dashboard powered by
Danfo.js, Next.js, node-nlp, and
Twit.js. By the end of this app
development book, you'll be able
to build and embed data
analytics, visualization, and ML

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capabilities into any JavaScript
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learning applications using
Danfo.js integrated with
TensorFlow.js Connect Danfo.js
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applications to aid data
analysis Create a no-code data
analysis and handling system

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using internal librariesDevelop a
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recommendation system with
Algorithms Today W Machine
Danfo.js and TensorFlow.jsBuild
Learning Data Structures
a Twitter analytics dashboard for
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sentiment analysis and other
types of data insightsWho this
book is for This book is for data

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analysts, data scientists, and
JavaScript developers who want
to create data-driven
applications in the
JavaScript/Node.js environment.
Intermediate-level knowledge of
JavaScript programming and**

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data science using pandas is
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expected.
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term "Artificial Intelligence" has
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been around since the 1950s, but
a lot has changed since then.
Today, AI is referenced in the

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**news, books, movies, and TV
shows, and the exact definition
is often misinterpreted. Artificial
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provides a clear introduction to
AI and how it's being used
today. Inside, you'll get a clear**

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overview of the technology, the
common misconceptions
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surrounding it, and a fascinating
look at its applications in
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**what AI has contributed to
society Explore uses for AI in
computer applications Discover
the limits of what AI can do Find
out about the history of AI The
world of AI is fascinating—and
this hands-on guide makes it**

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more accessible than ever!
Apply Artificial Intelligence
techniques in the browser or on
resource constrained computing
devices. Machine learning (ML)
can be an intimidating subject
until you know the essentials

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and for what applications it
works. This book takes
advantage of the intricacies of
the ML processes by using a
simple, flexible and portable
programming language such as
JavaScript to work with more

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coding ideas. Using JavaScript
programming features along with
standard libraries, you'll first
learn to design and develop
interactive graphics applications.
Then move further into neural**

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systems and human pose
estimation strategies. For
training and deploying your ML
models in the browser,
TensorFlow.js libraries will be
emphasized. After conquering
the fundamentals, you'll dig into

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the wilderness of ML. Employ the
ML and Processing (P5) libraries
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for Human Gait analysis.
Learning Data Structures
Building up Gait recognition with
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themes, you'll come to
understand a variety of ML
implementation issues. For

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example, you'll learn about the
classification of normal and
abnormal Gait patterns. With
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the Browser, you'll be on your
way to becoming an experienced
Machine Learning developer.

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models Perform Human Gait
Analysis using ML techniques in
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and research scholars, and
novice programmers/web
developers in the domain of
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learning Deep learning provides

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the means for discerning
patterns in the data that drive
online business and social media
outlets. Deep Learning for
Dummies gives you the
information you need to take the
mystery out of the topic—and all

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of the underlying technologies
associated with it. In no time,
you'll make sense of those
increasingly confusing
algorithms, and find a simple and
safe environment to experiment
with deep learning. The book

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develops a sense of precisely
what deep learning can do at a
high level and then provides
examples of the major deep
learning application types.
Includes sample code Provides
real-world examples within the**

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approachable text Offers hands-
on activities to make learning
easier Shows you how to use
Deep Learning more effectively
with the right tools This book is
perfect for those who want to
better understand the basis of

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the underlying technologies that
we use each and every day.
Neural Networks in TensorFlow.
Js
A Modern Approach
Made Easy, W/ Essential
Programming; Create Your *

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Data Structures
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Development with JavaScript

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Computer Games Using HTML
and JavaScript**
Learn to Create Your * Problem
Solving * Algorithms! Today!
W/machine Learning & Data
Structures

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Written as a tutorial to explore and understand the power of R for machine learning. This practical guide that covers all of the need to know topics in a very systematic way.

For each machine learning approach, each step in the process is detailed,

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*from preparing the data for analysis
to evaluating the results. These steps
will build the knowledge you need to
apply them to your own data science
tasks. Intended for those who want to
learn how to use R's machine learning
capabilities and gain insight from*

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*your data. Perhaps you already know
a bit about machine learning, but
have never used R; or perhaps you
know a little R but are new to
machine learning. In either case, this
book will get you up and running
quickly. It would be helpful to have a*

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bit of familiarity with basic programming concepts, but no prior experience is required.

One of the most persistent concerns about the future is whether it will be dominated by the predictive algorithms of AI – and, if so, what

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this will mean for our behaviour, for our institutions and for what it means to be human. AI changes our experience of time and the future and challenges our identities, yet we are blinded by its efficiency and fail to understand how it affects us. At the

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*heart of our trust in AI lies a
paradox: we leverage AI to increase
our control over the future and
uncertainty, while at the same time the
performativity of AI, the power it has
to make us act in the ways it predicts,
reduces our agency over the future.*

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*This happens when we forget that
that we humans have created the
digital technologies to which we
attribute agency. These developments
also challenge the narrative of*

*progress, which played such a central
role in modernity and is based on the*

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hubris of total control. We are now moving into an era where this control is limited as AI monitors our actions, posing the threat of surveillance, but also offering the opportunity to reappropriate control and transform it into care. As we try to adjust to a

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*world in which algorithms, robots
and avatars play an ever-increasing
role, we need to understand better the
limitations of AI and how their
predictions affect our agency, while
at the same time having the courage to
embrace the uncertainty of the future.*

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Deep learning networks are getting smaller. Much smaller. The Google Assistant team can detect words with a model just 14 kilobytes in size—small enough to run on a microcontroller. With this practical book you'll enter the field of TinyML,

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where deep learning and embedded systems combine to make astounding things possible with tiny devices. Pete Warden and Daniel Situnayake explain how you can train models small enough to fit into any environment. Ideal for software and

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*hardware developers who want to
build embedded systems using
machine learning, this guide walks
you through creating a series of
TinyML projects, step-by-step. No
machine learning or microcontroller
experience is necessary. Build a*

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*speech recognizer, a camera that
detects people, and a magic wand that
responds to gestures Work with
Arduino and ultra-low-power
microcontrollers Learn the essentials
of ML and how to train your own
models Train models to understand*

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audio, image, and accelerometer data
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Explore TensorFlow Lite for
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TinyML Debug applications and
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provide safeguards for privacy and
security Optimize latency, energy
usage, and model and binary size

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Apps like Web Browsers, PDF
readers, Office Suites, etc.? Anyone
can learn to do that easily, you just
need the right framework to pair with
the programming language of your
choice! If you're interested in*

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*developing software for a diverse
range of computers and operating
systems, including Microsoft
Windows 7, 8, 8.1, 10, MacOS, and
Linux based operating systems like
Ubuntu, Fedora, Arch Linux, etc. then
electron is the right choice of*

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*framework for you. Learning
Electron is a journey comprised of
getting to know it's workflow, APIs,
etc. Its easy enough to be learned just
by reading Electron's documentation,
however, if you wish to master the
full power of Electron, you need to*

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*use it with all it's advanced features,
complementing Electron-userland
programs, and Typescript; This book
can be used to assist you in your
journey to learn and master desktop
software development, and help you
avoid the heartache that comes with*

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*the steep learning curve of Electron at
it's full power. What you can find
inside this book: You will find the
fundamentals of HTML, CSS,
JavaScript, DOM, ES6, and Electron,
so you can easily get acquainted with
it even if you have never used*

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*Electron or NodeJS before. The
basics are thorough and dense in
print, so even if you are an
intermediate or advanced user, you
can learn stuff you may have never
seen before. Advanced features like
Data-type Prejudice, Class Based*

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*OOP, Scaffolding, Boilerplate code,
Crash Report handling, Working with
I/O devices, Debugging, Testing, etc.
are covered for intermediate and
Advanced users. Heavy attention has
been given to the practicals,
demonstrations, and code narrations.*

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Advanced coding practices are covered, and a wide range of alternatives and suggestions are provided to improve your overall experience with Electron and

JavaScript. The lessons are presented in a way that enhances the learning

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*experience when the book is used as a
self-learning material. The
explanations and code narrations are
provide in a way that assists rote
learning, if the need ever arises! The
past and future of Desktop
Applications is discussed at length,*

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*and an entire chapter is provided to
inspire and inform readers who are
interested in applying Electron and
JavaScript to Artificial Intelligence,
Machine Learning, Internet of
Things, etc. Instructions are given to
use Electron with both JavaScript and*

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TypeScript. Instructions are given to
extend your journey to program and
develop using Electron beyond this
book. A lot of informative material is
provided to get you acquainted with
the Electron-userland. This book will
take care of all your Electron related

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*needs! It will teach you all you need
to learn, and it will tell you all you
need to know! This book will make
you fall in love with Electron and
JavaScript; you will be able to
develop Desktop Applications before
you know it!*

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Machine Learning with TensorFlow,
Second Edition
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Dive Into Deep Learning
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TensorFlow.js*
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*The Impact of Artificial Intelligence
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Finance, Volume 2*

**Deep learning is often
viewed as the exclusive**

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**domain of math PhDs and big
tech companies. But as this
hands-on guide demonstrates,
programmers comfortable with
Python can achieve
impressive results in deep
learning with little math
background, small amounts of**

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data, and minimal code. How?
Create Your Problem Solving
Library to provide a Machine
consistent interface to the
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most frequently used deep
Artificial Intelligence Series
learning applications.
Authors Jeremy Howard and
Sylvain Gugger, the creators

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of fastai, show you how to
train a model on a wide
range of tasks using fastai
and PyTorch. You'll also
dive progressively further
into deep learning theory to
gain a complete
understanding of the

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foreword by PyTorch Machine
cofounder, Soumith Chintala
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Intelligence applications
with Python to intelligently
interact with the world

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this comprehensive guide
Enter the world of
Artificial Intelligence,
explore it, and create your
own applications Work

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through simple yet
insightful examples that
will get you up and running
with Artificial Intelligence
in no time Who This Book Is
For This book is for Python
developers who want to build
real-world Artificial

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Create Your Problem Solving
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familiar with Python would
be useful to play around
with the code. It will also
be useful for experienced
Python programmers who are

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Intelligence Learn how
reinforcement learning works
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intelligent applications

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and time series data See how
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algorithms and build
applications based on it In
Detail Artificial
Intelligence is becoming
increasingly relevant in the

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modern world where
everything is driven by
technology and data. It is
used extensively across many
fields such as search
engines, image recognition,
robotics, finance, and so
on. We will explore various

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**real-world scenarios in this
book and you'll learn about
various algorithms that can
be used to build Artificial
Intelligence applications.
During the course of this
book, you will find out how
to make informed decisions**

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about what algorithms to use
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in a given context. Starting
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from the basics of Machine
Artificial Intelligence, you
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will learn how to develop
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various building blocks
using different data mining
techniques. You will see how

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to implement different
algorithms to get the best
possible results, and will
understand how to apply them
to real-world scenarios. If
you want to add an
intelligence layer to any
application that's based on

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highly practical book will
show you how to implement

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book provides multiple
examples enabling you to
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meet the needs of your
organization. In every
chapter, we explain an
algorithm, implement it, and

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then build a smart
application.
Discover how all levels
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can be present in the most
unimaginable scenarios of
ordinary lives. This book
explores subjects such as

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neural networks, agents,
multi agent systems,
supervised learning, and
unsupervised learning. These
and other topics will be
addressed with real world
examples, so you can learn
fundamental concepts with AI

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solutions and apply them to
your own projects. People
tend to talk about AI as
something mystical and
unrelated to their ordinary
life. Practical Artificial
Intelligence provides simple
explanations and hands on

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Creates Your Problem Solving
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**instructions. Rather than
focusing on theory and
overly scientific language,
this book will enable
practitioners of all levels
to not only learn about AI
but implement its practical
uses. What You'll Learn**

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agents and how they are
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learning to real-world
problems and see what it
means to you Apply
supervised and unsupervised
learning techniques and

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Implement reinforcement
learning, game programming,
simulation, and neural
networks Who This Book Is
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students, professionals, and
hobbyists interested in AI

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insight into your business -
the easy way! Jobs in data
science abound, but few
people have the data science
skills needed to fill these

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data science space. With a

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Artificial Intelligence Series

focus on business cases, the book explores topics in big data, data science, and data engineering, and how these three areas are combined to produce tremendous value. If you want to pick-up the skills you need to begin a

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new career or initiate a new
project, reading this book
will help you understand
what technologies,
programming languages, and
mathematical methods on
which to focus. While this
book serves as a wildly

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fantastic guide through the
broad, sometimes
intimidating field of big
data and data science, it is
not an instruction manual
for hands-on implementation.
Here's what to expect:
Provides a background in big

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data and data engineering
before moving on to data
science and how it's applied
to generate value Includes
coverage of big data
frameworks like Hadoop,
MapReduce, Spark, MPP
platforms, and NoSQL

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**Explains machine learning
and many of its algorithms
as well as artificial
intelligence and the
evolution of the Internet of
Things Details data
visualization techniques
that can be used to**

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Essential Programming; Create
Your * Problem Solving *
Algorithms! Today! W/ Machine
Learning & Data
Structures Createspace
Independent Publishing Platform**

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AI4U: Mind-1.1 Programmer's Manual
has the following positive and
negative points.+ It describes the
rapidly evolving AI Minds on the
Web. - It quickly becomes obsolete
as the AI hyper-evolves. + On-
demand publishing (ODP) makes
for quick updates. - The Mentifex

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Create Your Problem Solving
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project is considered oddball on the 'Net. + You've got the first book about the first real AI Mind. - There are other, better, more authoritative AI textbooks. + AI4U makes a good supplement for actually coding AI. - Artificial intelligence is too hard to understand. + AI4U describes the

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AI while it is still easy to learn. - "I would rather build robots than study AI programming." + If you want to build a smart robot, then AI4U is for you. - "I'm only a high school student/teacher; what's the use?" + This book will challenge even the most gifted student. - "I

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I am not a programmer and so I can't code AI." + AI4U teaches you how to operate an AI, not just code it.- "I just want to do Web design, not artificial intelligence." + AI4U provides an AI that you may install on your website. - "I am more interested in neuroscience and/or

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**psychology." + AI4U teaches a
theory of how the brain works
psychologically.**
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