

Apress

1st
edition

1st ed., XV, 219 p. 261 illus.

Printed book

Softcover

Printed book

Softcover

ISBN 978-1-4842-3515-7

£ 44,99 | CHF 59,00 | 49,99 € |

54,99 € (A) | 53,49 € (D)

Available

Discount group

Springer Trade (T)

Product category

Professional book

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ISBN 978-1-4842-3517-1

Computer Science : Artificial Intelligence

Manaswi, Navin Kumar

Deep Learning with Applications Using Python

Chatbots and Face, Object, and Speech Recognition With TensorFlow and Keras

- **Industry-standard Deep Learning practices demonstrated**
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Explore deep learning applications, such as computer vision, speech recognition, and chatbots, using frameworks such as TensorFlow and Keras. This book helps you to ramp up your practical know-how in a short period of time and focuses you on the domain, models, and algorithms required for deep learning applications. Deep Learning with Applications Using Python covers topics such as chatbots, natural language processing, and face and object recognition. The goal is to equip you with the concepts, techniques, and algorithm implementations needed to create programs capable of performing deep learning. This book covers convolutional neural networks, recurrent neural networks, and multilayer perceptrons. It also discusses popular APIs such as IBM Watson, Microsoft Azure, and scikit-learn. What You Will Learn Work with various deep learning frameworks such as TensorFlow, Keras, and scikit-learn. Use face recognition and face detection capabilities Create speech-to-text and text-to-speech functionality Engage with chatbots using deep learning Who This Book Is For Data scientists and developers who want to adapt and build deep learning applications.

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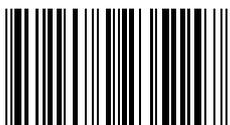
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ISBN 978-1-4842-3515-7 / BIC: UYQ / SPRINGER NATURE: SCI21000

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