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Sommario/riassunto

This book, authored by Daniel Minoli and Benedict Occhiogrosso, explores the applications of artificial intelligence in the realm of information technologies with a specific focus on ultra-deep neural networks. It covers fundamental concepts of machine learning and deep learning, including activation functions, multi-layer perceptrons, and various types of neural networks such as recurrent and convolutional networks. The book delves into the application of these technologies in natural language processing, speech processing, video and imaging, IoT, smart buildings, and cybersecurity. It is intended for professionals and researchers in the field of AI and technology, providing insights into evolving methods and their practical applications.
