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Sommario/riassunto	This book focuses on both theory and applications of Artificial Intelligence and Machine Learning in the broad areas of communication and networking. This book focuses on the ongoing research work and future scope for various open research issues related to sustainable design, development, and analysis of smart communication, 5G and beyond, with the integration of Artificial intelligence and IoT. It addresses fundamental technology components for 5G and beyond, which include modern advancements in communication and networking in a real-world application. The book presents the convergence of Artificial Intelligence, Machine Learning, and IoT with 5G and beyond wireless networks to give some ice-breaking solutions in radio resource allocation, network management, and cybersecurity. This book will be a valuable resource for academicians, researchers, and professionals working in artificial intelligence/machine learning and its applications in communication and 5G.