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Sommario/riassunto

"A comprehensive resource encompassing recent developments and potential uses of AI in disease detection is in tremendous demand. Healthcare professionals, researchers, and students are turning more frequently to artificial intelligence (AI) to improve disease detection and diagnosis, but there is limited availability of readily available, latest resources that offer an in-depth examination of the field. AI in Disease Detection: Advancements and Applications fulfils the demand by offering a practical and broad guide to AI in disease detection. The book explores the fundamental concepts of AI and machine learning in the context of disease detection, the challenges and opportunities associated with using AI in healthcare, and the major applications of AI in disease detection. Healthcare experts, researchers, and students will gain practical skills in evaluating big data for health care, integrating artificial intelligence (AI) methods to medical data, and assessing the social and ethical consequences of AI in healthcare. They will also be able to recognise the essential AI applications in disease detection, enabling these individuals to make informed decisions when incorporating AI into their work or research. Overall, this book presents an overview of the transformation, progression, and applications of AI in disease detection. The book contains substantial findings and practical recommendations for researchers, healthcare professionals, and policymakers interested in studying the ability of AI to boost disease detection and patient outcomes"-- Provided by publisher.