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| | Sommario/riassunto | Delve into the evolution of healthcare technologies, exploring their impact on patient care and management. This book provides a comprehensive exploration of the industrial revolution in healthcare. In this book, you'll cover the fundamentals of artificial intelligence (AI) in healthcare, including an overview of AI and machine learning, applications in healthcare domains, and challenges and opportunities in AI implementation. It progresses to explore integration of AI and IoT in Healthcare 4.0, discussing synergies, real-time data analysis, and future trends in telemedicine. The book also addresses critical aspects such as data security and privacy, focusing on regulations, standards, and strategies for ensuring data protection. Practical applications of AI and IoT in remote patient monitoring, disease diagnosis, and healthcare operations management are thoroughly examined, alongside ethical and legal considerations in Healthcare 4.0. The final |

chapters offer insights into emerging trends, potential challenges, and recommendations for successfully adopting AI and IoT in healthcare. Readers will gain a comprehensive understanding of how AI and IoT are revolutionizing healthcare, from enhancing patient outcomes and operational efficiencies to navigating the ethical and legal landscapes of data privacy. This book equips healthcare professionals, policymakers, and technology enthusiasts with the knowledge to navigate and leverage the transformative potential of Healthcare 4.0 technologies effectively. What You Will Learn Explore the integration of AI with IoT Technologies in Healthcare 4.0 Gain insights into the ethical and legal considerations surrounding AI and IoT implementations in healthcare <Learn about emerging trends and future perspectives in Healthcare 4.0, including potential challenges and recommendations Discover case studies and practical examples illustrating the transformative impact of AI and IoT on patient care.