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Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Acknowledgments -- Chapter 1 Introduction -- Evolution of AI -- The 1950s - The Nativity Era -- The 1960s - The Foundation Era -- The 1970s - The First Winter Era -- The 1980s - The Resurrection Era -- The Brief Interlude -- The 1990s and 2000s - The Second Revival -- The 2010s - The Renaissance Era -- AI and Its Branches -- A Bit about Algorithms -- Critical Success Factors for AI Initiatives -- Purpose and Structure of the Book -- References -- Chapter 2 Building a Framework for Applying AI -- Introduction -- Identifying the Future State -- Step 1: Create a Customer-Back Engagement Journey Map -- Step 2: Identify Decision Points -- Step 3: Build the Business Value-Chain -- The Efficient Frontier Model -- Design Thinking Model -- Building the Technology Strategy -- Defining the Business Case -- Creating the Solution Roadmap -- Identifying AI Capabilities -- Sense -- Learn -- Predict -- Optimize -- Entropy -- Establishing a Governance Process -- Summary -- References -- Chapter 3 Transforming Healthcare with AI -- Introduction -- Understanding the Macroscopic Factors Driving Smart Capabilities in the Future of the Healthcare Industry -- The Critical Role of AI in the Healthcare of the Future -- Personal Health Cloud -- Smart Hospitals of the Future -- AI Applications in Healthcare

-- Personalized Treatment Programs -- Telediagnostics -- Drug Discovery -- Robotic Surgeries -- Emergency Response -- Capacity Planning and Management -- Energy Prediction and Diagnostics -- Predictive Asset Maintenance -- Model Predictive Maintenance -- Asset Tracking and Utilization -- Alarm Noise Suppression -- Compliance Management -- Cybersecurity and Privacy Assurance -- Data Veracity -- Business Models of the Future in Healthcare -- Summary--Higher Education -- Corporate Learning -- Executive Education in AI -- Summary -- References -- Chapter 5 Transforming Transportation with AI -- Introduction -- Understanding the Macroscopic Factors Influencing the Future of the Transportation Industry -- Urbanization -- Workplace Dislocation -- Gig Economy -- Changing Demographic Preferences -- Sustainability -- Getting Ready for Autonomous Vehicles -- How AI Will Change the Transportation Industry of the Future -- Autonomous Driving -- Convergence of Mobility -- Vehicle Ownership Models -- Fuel Economy -- Logistics -- Space Exploration

Sommario/riassunto

"Most organizations who see their survival and success in the future are making artificial intelligence (AI) a part of their core agenda, but their leaders also struggle with developing a roadmap for how to reimagine their world with AI. This book is intended to help both business and technology leaders navigate the complex world of AI with its myriad dimensions in several ways: Understand the opportunity landscape. Develop a framework for business transformation. Investigate the possibilities across multiple sectors like healthcare, education, citizen services, transportation, financial services, smart buildings, and cities, etc. Build a technology foundation and the enabling ecosystems. Address broader societal concerns around ethics, privacy, security. Manage the change"--
