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Nota di contenuto	Introduction to Artificial Intelligence -- Computational Foundation of Generative AI Models -- Generative AI Techniques and Models -- Foundation Models -- Large Language Models -- Large Generative Models for Different Data Types -- Prompt Engineering -- Applications of Generative AI Models -- Ethics, Governance, Security and Privacy -- Fairness and Biases in Generative AI.
Sommario/riassunto	This book unlocks the full potential of modern AI systems through a meticulously structured exploration of concepts, techniques, and practical applications. This comprehensive book bridges theoretical foundations with real-world implementations, offering readers a unique perspective on the rapidly evolving field of generative technologies. From computational foundations to ethical considerations, the book systematically covers essential topics including foundation models, large-scale architectures, prompt engineering, and practical applications. The content seamlessly integrates complex technical concepts with industry-relevant examples, making it an invaluable resource for researchers,

academicians, and practitioners. Distinguished by its balanced approach to theory and practice, this book serves as both a learning tool and reference guide. Readers will benefit from: Clear explanations of advanced concepts. Practical implementation insights. Current industry applications. Ethical framework discussions. Whether you're conducting research, implementing solutions, or exploring the field, this book provides the knowledge necessary to understand and apply generative AI technologies effectively while considering crucial aspects of security, privacy, and fairness.
