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    Titolo   Applied generative AI for beginners : practical knowledge on diffusion
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    Descrizione fisica   1 online resource (xvi, 212 pages)

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    Note generali   Includes index.

    Nota di contenuto   Chapter 1: Introduction to Generative AI -- Chapter 2: The Evolution of
                         Neural Networks to Large Language Models -- Chapter 3: LLMs and
                         Transformers -- Chapter 4: The ChatGPT Architecture: An In-Depth
                         Exploration of OpenAI's Conversational Language Model -- Chapter 5:
                         Google Bard and Beyond. - Chapter 6: Implement LLM' using Sklearn --
                         Chapter 7: LLMs for Enterprise and LLMOps 8: Diffusion Model &
                         Generative AI for Images. - Chapter 9: ChatGTP Use Cases.

    Sommario/riassunto   This book provides a deep dive into the world of generative AI,
                         covering everything from the basics of neural networks to the
                         intricacies of large language models like ChatGPT and Google Bard. It
                         serves as a one-stop resource for anyone interested in understanding
                         and applying this transformative technology and is particularly aimed at
                         those just getting started with generative AI. Applied Generative AI for
                         Beginners is structured around detailed chapters that will guide you
                         from foundational knowledge to practical implementation. It starts with
                         an introduction to generative AI and its current landscape, followed by
                         an exploration of how the evolution of neural networks led to the
                         development of large language models. The book then delves into
                         specific architectures like ChatGPT and Google Bard, offering hands-on
                         demonstrations for implementation using tools like Sklearn. You'll also

gain insight into the strategic aspects of implementing generative AI in an enterprise setting, with the authors covering crucial topics such as LLMOps, technology stack selection, and in-context learning. The latter part of the book explores generative AI for images and provides industry-specific use cases, making it a comprehensive guide for practical application in various domains. Whether you're a data scientist looking to implement advanced models, a business leader aiming to leverage AI for enterprise growth, or an academic interested in cutting-edge advancements, this book offers a concise yet thorough guide to mastering generative AI, balancing theoretical knowledge with practical insights. You will: Gain a solid understanding of generative AI, starting from the basics of neural networks and progressing to complex architectures like ChatGPT and Google Bard Implement large language models using Sklearn, complete with code examples and best practices for real-world application Learn how to integrate LLM's in enterprises, including aspects like LLMOps and technology stack selection Understand how generative AI can be applied across various industries, from healthcare and marketing to legal compliance through detailed use cases and actionable insights.