

OpenAI API Pricing Calculator

Calculate the cost of using the OpenAI API and other LLMs for your AI project with our simple and powerful free calculator.

Input Tokens

100

Output Tokens

500

API Calls

100

Openai Prices Store Hours

Lauren Gardner



Openai Prices Store Hours:

Unlocking the Potential of OpenAI's ChatGPT DAVID YAO, Have you heard of OpenAI's ChatGPT but have no idea what it is or how to use it? Look no further! This book provides a comprehensive introduction to this revolutionary language model. In this book, the author takes you through the history of ChatGPT and its capabilities, as well as its practical applications in fields such as customer service, content creation, and data analysis. You'll also learn how ChatGPT works and what sets it apart from other language models. But that's not all; the book also provides hands-on examples and tutorials to help you put your newfound knowledge into practice. The author will also address the limitations of the model and provide tips on how to achieve optimal results. Whether you're a data scientist, business owner, or student, this book is a must-read for anyone looking to understand and utilize the power of ChatGPT. With its comprehensive understanding of ChatGPT and its potential to transform the way we work and learn, this book is sure to be a valuable resource. So why wait? Get your hands on a copy today and let OpenAI's ChatGPT work for you.

Data Analysis with LLMs Immanuel Trummer, 2025-05-13 Speed up common data science tasks with AI assistants like ChatGPT and Large Language Models (LLMs) from Anthropic, Cohere, OpenAI, Google, Hugging Face, and more. *Data Analysis with LLMs* teaches you to use the new generation of AI assistants and Large Language Models (LLMs) to aid and accelerate common data science tasks. Learn how to use LLMs to analyze text, tables, images, and audio files. Extract information from multi-modal data lakes. Classify, cluster, transform, and query multimodal data. Build natural language query interfaces over structured data sources. Use LangChain to build complex data analysis pipelines. Prompt engineering and model configuration. All practical. *Data Analysis with LLMs* takes you from your first prompts through advanced techniques like creating LLM-based agents for data analysis and fine-tuning existing models. You'll learn how to extract data, build natural language query interfaces, and much more. About the technology: Large Language Models (LLMs) can streamline and accelerate almost any data science task. Master the techniques in this book, and you'll be able to analyze large amounts of text, tabular, and graph data, images, videos, and more, with clear natural language prompts and a few lines of Python code. About the book: *Data Analysis with LLMs* shows you exactly how to integrate generative AI into your day-to-day work as a data scientist. In it, Cornell professor Immanuel Trummer guides you through a series of engaging projects that introduce OpenAI's Python library tools like LangChain and LlamaIndex, and LLMs from Anthropic, Cohere, and Hugging Face. As you go, you'll use AI to query structured and unstructured data, analyze sound and images, and optimize the cost and quality of your data analysis process. What's inside: Classify, cluster, transform, and query multimodal data. Build natural language query interfaces over structured data sources. Create LLM-based agents for autonomous data analysis. Prompt engineering and model configuration. About the reader: For data scientists and data analysts who know the basics of Python. About the author: Immanuel Trummer is an associate professor of computer science at Cornell University and a member of the Cornell Database Group.

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Part 2 3 The OpenAI Python library 4 Analyzing text data 5 Analyzing structured data 6 Analyzing images and videos 7 Analyzing audio data Part 3 8 GPT alternatives 9 Optimizing cost and quality 10 Software frameworks **Building Business-Ready Generative AI Systems** Denis Rothman, 2025-07-25 Supercharge your business with context aware AI controllers adaptive agents multimodal reasoning functionality neuroscientific memory systems and flexible handler mechanisms that integrate the emerging generative AI models Get with your book PDF copy AI Assistant and Next Gen Reader free Key Features Build an adaptive context aware AI controller with advanced memory strategies Enhance GenAISys with multi domain multimodal reasoning capabilities and Chain of Thought CoT Seamlessly integrate cutting edge OpenAI and DeepSeek models as you see fit Book Description Standalone LLMs no longer deliver sufficient business value on their own This guide moves beyond basic chatbots showing you how to build agentic ChatGPT grade systems capable of sophisticated semantic and sentiment analysis powered by context engineering You ll design AI controller architectures with multi user memory retention to dynamically adapt your system to diverse user and system inputs You ll architect a Retrieval Augmented Generation system with Pinecone to combine instruction driven scenarios Through context engineering you ll minimize token usage maximize response quality and create systems that reason across complex tasks with precision You ll enhance your system s intelligence with multimodal capabilities image generation voice interactions and machine driven reasoning leveraging Chain of Thought and context chaining to address cross domain automation challenges You ll also integrate OpenAI s suite and DeepSeek R1 without disrupting your existing GenAISys ecosystem With context engineering as the backbone every step becomes a deliberate act of shaping model behavior Your GenAISys will apply neuroscience inspired insights to marketing strategies predict human mobility integrate smoothly into human workflows and connect to live external data all wrapped in a polished investor ready interface What you will learn Implement an AI controller with a conversation AI agent and orchestrator at its core Build contextual awareness with short term long term and cross session memory Design cross domain automation with multimodal reasoning image generation and voice features Expand a CoT agent by integrating consumer memory understanding Integrate cutting edge models of your choice without disrupting your existing GenAISys Connect to real time external data while blocking security breaches Who this book is for This book is for AI and Machine Learning Engineers seeking to enhance their understanding of Generative AI and its enterprise applications It will particularly benefit those interested in building AI agents creating advanced orchestration systems and leveraging AI for automation in marketing production and logistics Software architects and enterprise developers looking to build scalable AI driven systems will also find immense value in this guide No prior superintelligence experience is necessary but familiarity with AI concepts is recommended **Programming Large Language Models with Azure Open AI** Francesco Esposito, 2024-04-03 Use LLMs to build better business software applications Autonomously communicate with users and optimize business tasks with applications built to make the interaction between humans and computers smooth and natural

Artificial Intelligence expert Francesco Esposito illustrates several scenarios for which a LLM is effective crafting sophisticated business solutions shortening the gap between humans and software equipped machines and building powerful reasoning engines Insight into prompting and conversational programming with specific techniques for patterns and frameworks unlock how natural language can also lead to a new advanced approach to coding Concrete end to end demonstrations featuring Python and ASP NET Core showcase versatile patterns of interaction between existing processes APIs data and human input Artificial Intelligence expert Francesco Esposito helps you Understand the history of large language models and conversational programming Apply prompting as a new way of coding Learn core prompting techniques and fundamental use cases Engineer advanced prompts including connecting LLMs to data and function calling to build reasoning engines Use natural language in code to define workflows and orchestrate existing APIs Master external LLM frameworks Evaluate responsible AI security privacy and accuracy concerns Explore the AI regulatory landscape Build and implement a personal assistant Apply a retrieval augmented generation RAG pattern to formulate responses based on a knowledge base Construct a conversational user interface For IT Professionals and Consultants For software professionals architects lead developers programmers and Machine Learning enthusiasts For anyone else interested in natural language processing or real world applications of human like language in software

Take Control of Siri, 3rd Edition Scholle McFarland, 2025-04-22 Make the most of Apple's digital assistant Version 3.0 updated April 22, 2025 When it comes to using your Apple devices Siri is the hands free time saving and fun technology that ties everything together Whether you want to ask a question make a call find your iPhone or set a timer not only can Siri do it but it usually offers the fastest way This book explores how to get the most out of Siri on your iPhone iPad Mac Apple Watch Apple TV and HomePod n Siri Apple's voice controlled digital assistant has been around since 2010 when it debuted on the iPhone But since then it has become vastly more powerful and useful and has spread across Apple's entire ecosystem it now runs on iPhone iPad Mac Apple Watch Apple TV and HomePod Siri can listen and speak in a wide range of languages and accents perform a long list of helpful day to day tasks and keep you entertained in the process And starting with iOS 18.2 iPadOS 18.2 and macOS 15.2 Siri gains both Apple Intelligence features and a connection to ChatGPT Although Siri is easy to use it's so multitasking that you might easily overlook some of its best features In this book former Macworld editor Scholle McFarland takes you deep into Siri's capabilities You'll learn tons of tips and tricks about making the most of Siri Discover how Siri can increase your efficiency and productivity lend a hand when you're in the car or out for a jog and even make it simpler to play music or find movies and TV shows to watch Among many other things this book teaches you What hardware and software you need to use Siri The relationship between Siri and Apple Intelligence on supported devices How to change Siri's language voice and speed Ways to personalize Siri by telling it about yourself your contacts and more The numerous ways to activate Siri by touch or by voice How to use Siri with AirPods wired earbuds or third party headphones The optional role of ChatGPT in answering

Siri requests When and to what extent you can use Siri without an internet connection What to do if the wrong device answers your Siri or Hey Siri request How to ask Siri about sports math and conversions time food health movies people stocks the weather jokes real world sounds random facts and more Tips for asking Siri follow up questions How to control music on any device with or without an Apple Music subscription Techniques for using Siri to get directions set reminders and appointments send messages and email start FaceTime calls take notes read articles and get help with your Apple products How to use Siri to share what's on your screen with Messages What Siri can and can't do for you on an Apple TV or HomePod How to get your HomePod to recognize different people's voices Everything you need to know about your privacy where Siri is involved Whether you're new to Siri or a seasoned pro you're sure to find lots of tricks and suggestions in this book to improve your experience of using Siri

Open AI and Computational Intelligence for Society 5.0 Pandey, Rajiv, Srivastava, Nidhi, Prasad, Rajesh, Prasad, Jayashree, Garcia, Manuel B., 2024-11-29 As technology rapidly advances the complexity of societal challenges grows necessitating intelligent solutions that can adapt and evolve However developing such solutions requires a deep understanding of computational intelligence CI and its application in addressing real world problems Moreover ethical considerations surrounding AI such as bias and accountability are crucial to ensure responsible development and deployment of intelligent systems Open AI and Computational Intelligence for Society 5.0 offers a comprehensive exploration of CI providing insights into intelligent systems theory design and application This book is a practical guide for scientists engineers and researchers seeking to develop thoughtful solutions for complex societal issues Integrating disruptive technologies and frameworks illuminates the path toward creating intelligent machines collaborating with humans to enhance problem solving and improve quality of life

Unlocking Data with Generative AI and RAG Keith Bourne, 2024-09-27 Leverage cutting edge generative AI techniques such as RAG to realize the potential of your data and drive innovation as well as gain strategic advantage Key Features Optimize data retrieval and generation using vector databases Boost decision making and automate workflows with AI agents Overcome common challenges in implementing real world RAG systems Purchase of the print or Kindle book includes a free PDF eBook Book Description Generative AI is helping organizations tap into their data in new ways with retrieval augmented generation RAG combining the strengths of large language models LLMs with internal data for more intelligent and relevant AI applications The author harnesses his decade of ML experience in this book to equip you with the strategic insights and technical expertise needed when using RAG to drive transformative outcomes The book explores RAG's role in enhancing organizational operations by blending theoretical foundations with practical techniques You'll work with detailed coding examples using tools such as LangChain and Chroma's vector database to gain hands on experience in integrating RAG into AI systems The chapters contain real world case studies and sample applications that highlight RAG's diverse use cases from search engines to chatbots You'll learn proven methods for managing vector databases optimizing data retrieval effective prompt engineering and quantitatively evaluating

performance The book also takes you through advanced integrations of RAG with cutting edge AI agents and emerging non LLM technologies By the end of this book you ll be able to successfully deploy RAG in business settings address common challenges and push the boundaries of what s possible with this revolutionary AI technique What you will learn Understand RAG principles and their significance in generative AI Integrate LLMs with internal data for enhanced operations Master vectorization vector databases and vector search techniques Develop skills in prompt engineering specific to RAG and design for precise AI responses Familiarize yourself with AI agents roles in facilitating sophisticated RAG applications Overcome scalability data quality and integration issues Discover strategies for optimizing data retrieval and AI interpretability Who this book is for This book is for AI researchers data scientists software developers and business analysts looking to leverage RAG and generative AI to enhance data retrieval improve AI accuracy and drive innovation It is particularly suited for anyone with a foundational understanding of AI who seeks practical hands on learning The book offers real world coding examples and strategies for implementing RAG effectively making it accessible to both technical and non technical audiences A basic understanding of Python and Jupyter Notebooks is required

Produktions- und Informationsmanagement Reinhard Schütte,Susanne Hohmann,Bianca Krol,Malte L. Peters,2024-12-30 In dem Buch werden Beitr ge von Hochschullehrer innen und promovierten Praktikern ver ffentlicht die sich mit wichtigen und aktuellen produktionswirtschaftlichen Problemstellungen oder Wirtschaftsinformatik Fragestellungen besch ftigen

[Natural Language Processing with Python](#) Quantum Technologies LLC,2025-01-16 Learn NLP with Python through practical exercises advanced topics like transformers and real world projects such as chatbots and dashboards A comprehensive guide for mastering NLP techniques Key Features A comprehensive guide to processing analyzing and modeling human language with Python Real world projects that reinforce NLP concepts including chatbot design and sentiment analysis Foundational and advanced NLP techniques for practical applications in diverse domains Book DescriptionEmbark on a comprehensive journey to master natural language processing NLP with Python Begin with foundational concepts like text preprocessing tokenization and key Python libraries such as NLTK spaCy and TextBlob Explore the challenges of text data and gain hands on experience in cleaning tokenizing and building basic NLP pipelines Early chapters provide practical exercises to solidify your understanding of essential techniques Advance to sophisticated topics like feature engineering using Bag of Words TF IDF and embeddings like Word2Vec and BERT Delve into language modeling with RNNs syntax parsing and sentiment analysis learning to apply these techniques in real world scenarios Chapters on topic modeling and text summarization equip you to extract insights from data while transformer based models like BERT take your skills to the next level Each concept is paired with Python based examples ensuring practical mastery The final chapters focus on real world projects such as developing chatbots sentiment analysis dashboards and news aggregators These hands on applications challenge you to design train and deploy robust NLP solutions With its structured approach and practical focus this book equips you to confidently tackle real world NLP

challenges and innovate in the field What you will learn Clean and preprocess text data using Python effectively Master tokenization techniques for words sentences and characters Build robust NLP pipelines with feature engineering methods Implement sentiment analysis with machine learning models Perform topic modeling using LDA LSA and other algorithms Develop chatbots and dashboards for real world applications Who this book is for This book is ideal for students researchers and professionals in machine learning data science and artificial intelligence who want to master NLP Beginners will benefit from the step by step introduction to text processing and feature engineering while experienced practitioners can explore advanced topics like transformers and real world projects Basic knowledge of Python and familiarity with programming concepts are recommended to fully utilize the content Enthusiasts with a passion for language technology will also find this guide valuable for building practical NLP applications

Promptonomics & AI-Micropreneurship Engr. Rajib Mazumder,2025-08-11 Promptonomics AI Micropreneurship is your essential guide to generating passive income in 2025 by leveraging the power of AI Discover how to transform AI powered micro consulting and microbooks into profitable side hustles mastering the art of prompt engineering to create scalable digital assets and build a thriving online business

RAG-Driven Generative AI Denis Rothman,2024-09-30 Minimize AI hallucinations and build accurate custom generative AI pipelines with RAG using embedded vector databases and integrated human feedback Get With Your Book PDF Copy AI Assistant and Next Gen Reader Free Key Features Implement RAG s traceable outputs linking each response to its source document to build reliable multimodal conversational agents Deliver accurate generative AI models in pipelines integrating RAG real time human feedback improvements and knowledge graphs Balance cost and performance between dynamic retrieval datasets and fine tuning static data Book DescriptionRAG Driven Generative AI provides a roadmap for building effective LLM computer vision and generative AI systems that balance performance and costs This book offers a detailed exploration of RAG and how to design manage and control multimodal AI pipelines By connecting outputs to traceable source documents RAG improves output accuracy and contextual relevance offering a dynamic approach to managing large volumes of information This AI book shows you how to build a RAG framework providing practical knowledge on vector stores chunking indexing and ranking You ll discover techniques to optimize your project s performance and better understand your data including using adaptive RAG and human feedback to refine retrieval accuracy balancing RAG with fine tuning implementing dynamic RAG to enhance real time decision making and visualizing complex data with knowledge graphs You ll be exposed to a hands on blend of frameworks like LlamaIndex and Deep Lake vector databases such as Pinecone and Chroma and models from Hugging Face and OpenAI By the end of this book you will have acquired the skills to implement intelligent solutions keeping you competitive in fields from production to customer service across any project What you will learn Scale RAG pipelines to handle large datasets efficiently Employ techniques that minimize hallucinations and ensure accurate responses Implement indexing techniques to improve AI accuracy with traceable and transparent outputs

Customize and scale RAG driven generative AI systems across domains Find out how to use Deep Lake and Pinecone for efficient and fast data retrieval Control and build robust generative AI systems grounded in real world data Combine text and image data for richer more informative AI responses Who this book is for This book is ideal for data scientists AI engineers machine learning engineers and MLOps engineers If you are a solutions architect software developer product manager or project manager looking to enhance the decision making process of building RAG applications then you ll find this book useful

AI Trends: Navigating the Future Ayman Elmaasarawy, 2024-12-27 This book offers an advanced yet accessible exploration of contemporary AI trends and their implications AI has transitioned from a niche academic pursuit into a cornerstone of innovation across fields as diverse as healthcare finance education and entertainment This book seeks to demystify AI by breaking it down into thematic chapters that cover its theoretical foundations practical applications and ethical considerations For policymakers technologists educators and the curious reader this book provides an invaluable resource It not only maps the cutting edge developments in AI but also encourages critical thinking about the opportunities and risks that accompany them By doing so it empowers readers to engage with AI not just as passive observers but as informed participants shaping its evolution AI Trends Navigating the Future is divided into thoughtfully curated chapters each addressing a distinct facet of AI s evolution and impact Below is an overview of the book s structure Foundations of Artificial Intelligence The opening chapter sets the stage by exploring the fundamental concepts and historical milestones of AI It provides an accessible yet thorough introduction to the basics of machine learning neural networks and computational intelligence creating a foundational understanding for readers AI in Industry Transforming Economies This chapter delves into how AI is revolutionizing sectors such as healthcare finance manufacturing and agriculture Real world case studies illustrate the profound economic implications and efficiency gains brought about by AI technologies Ethics and Responsibility in AI AI s potential raises profound ethical questions about privacy bias and accountability This chapter examines the frameworks needed to develop AI responsibly ensuring that it aligns with societal values and norms The Future of Work in an AI Driven World As AI systems automate tasks and augment human capabilities they are reshaping the workforce This chapter discusses the challenges and opportunities in adapting to a world where humans and AI collaborate AI in Creative and Cultural Spheres Beyond productivity and efficiency AI is influencing creativity and cultural expression This chapter explores AI s role in art music literature and film raising questions about the intersection of technology and human creativity AI for Social Good Opportunities and Challenges AI holds the potential to address pressing global issues from climate change to public health crises This chapter evaluates the transformative role AI can play in improving lives while also highlighting the challenges in implementing such technologies effectively Frontiers of AI Research Looking ahead this chapter covers the most advanced research areas in AI such as explainable AI quantum AI and general intelligence It paints a picture of what the future might hold and the scientific breakthroughs on the horizon Policy and Regulation in the AI Era The final chapter

focuses on governance examining how countries are developing policies to regulate AI encourage innovation and protect citizens Throughout the book several recurring themes provide a cohesive narrative Interdisciplinary Impact From biology to economics AI s reach is far and wide Each chapter underscores the interconnectedness of AI developments across disciplines Opportunities and Risks By presenting balanced discussions the book helps readers appreciate the immense opportunities AI offers while being vigilant about its pitfalls Actionable Insights Whether readers are entrepreneurs policymakers or students the book offers practical insights into how AI can be leveraged to achieve specific goals [ChatGPT eBook](#) GURMEET SINGH DANG, *Data-Driven Business Intelligence Systems for Socio-Technical Organizations* Keikhosrokiani, Pantea,2024-04-09 The convergence of modern technology and social dynamics have shaped the very fabric of today s organizations making the role of Business Intelligence BI profoundly significant Data Driven Business Intelligence Systems for Socio Technical Organizations delves into the heart of this transformative realm offering an academic exploration of the tools strategies and methodologies that propel enterprises toward data driven decision making excellence Socio technical organizations with their intricate interplay between human and technological components require a unique approach to BI This book embarks on a comprehensive journey revealing how BI tools empower these entities to decipher the complexities of their data landscape From user behavior to social interactions technological systems to environmental factors this work sheds light on the multifaceted sources of information that inform organizational strategies Decision makers within socio technical organizations leverage BI insights to discern patterns spot trends and uncover correlations that influence operations and the intricate social dynamics within their entities Research covering real time monitoring and predictive analytics equips these organizations to respond swiftly to demands and anticipate future trends harnessing the full potential of data The book delves into their design development and architectural nuances illuminating these concepts through case studies This book is ideal for business executives entrepreneurs data analysts marketers government officials educators and researchers *More Everything Forever* Adam Becker,2025-04-22 The bad science and sinister ideas behind Silicon Valley s foolish obsession with immortality AI paradise and limitless growth Tech billionaires have decided that they should determine our futures for us According to Elon Musk Jeff Bezos Sam Altman and more the only good future for humanity is one powered by technology trillions of humans living in space functionally immortal served by superintelligent AIs In *More Everything Forever* scientist and writer Adam Becker investigates these wildly implausible and often profoundly immoral visions of tomorrow to reveal why in reality there is no good evidence that they will or should come to pass The giants of Silicon Valley claim that their ideas are based on science but the truth is darker they come from a jumbled mix of shallow futurism and racist pseudoscience And behind these fanciful visions of space colonies and digital immortality is a cynical power grab at the expense of essential work spent on solving real problems like the climate crisis *More Everything Forever* exposes the powerful myths that dominate Silicon Valley challenging us to see how foolish and dangerous these visions of the future are

Prompt Engineering for Generative AI James Phoenix, Mike Taylor, 2024-05-16 Large language models LLMs and diffusion models such as ChatGPT and Stable Diffusion have unprecedented potential Because they have been trained on all the public text and images on the internet they can make useful contributions to a wide variety of tasks And with the barrier to entry greatly reduced today practically any developer can harness LLMs and diffusion models to tackle problems previously unsuitable for automation With this book you ll gain a solid foundation in generative AI including how to apply these models in practice When first integrating LLMs and diffusion models into their workflows most developers struggle to coax reliable enough results from them to use in automated systems Authors James Phoenix and Mike Taylor show you how a set of principles called prompt engineering can enable you to work effectively with AI Learn how to empower AI to work for you This book explains The structure of the interaction chain of your program s AI model and the fine grained steps in between How AI model requests arise from transforming the application problem into a document completion problem in the model training domain The influence of LLM and diffusion model architecture and how to best interact with it How these principles apply in practice in the domains of natural language processing text and image generation and code [Transformers for Natural Language Processing and Computer Vision](#) Denis Rothman, 2024-02-29 The definitive guide to LLMs from architectures pretraining and fine tuning to Retrieval Augmented Generation RAG multimodal AI risk mitigation and practical implementations with ChatGPT Hugging Face and Vertex AI Get With Your Book PDF Copy AI Assistant and Next Gen Reader Free Key Features Compare and contrast 20 models including GPT BERT and Llama and multiple platforms and libraries to find the right solution for your project Apply RAG with LLMs using customized texts and embeddings Mitigate LLM risks such as hallucinations using moderation models and knowledge bases Book Description [Transformers for Natural Language Processing and Computer Vision](#) Third Edition explores Large Language Model LLM architectures practical applications and popular platforms Hugging Face OpenAI and Google Vertex AI used for Natural Language Processing NLP and Computer Vision CV The book guides you through a range of transformer architectures from foundation models and generative AI You ll pretrain and fine tune LLMs and work through different use cases from summarization to question answering systems leveraging embedding based search You ll also implement Retrieval Augmented Generation RAG to enhance accuracy and gain greater control over your LLM outputs Additionally you ll understand common LLM risks such as hallucinations memorization and privacy issues and implement mitigation strategies using moderation models alongside rule based systems and knowledge integration Dive into generative vision transformers and multimodal architectures and build practical applications such as image and video classification Go further and combine different models and platforms to build AI solutions and explore AI agent capabilities This book provides you with an understanding of transformer architectures including strategies for pretraining fine tuning and LLM best practices What you will learn Breakdown and understand the architectures of the Transformer BERT GPT T5 PaLM ViT CLIP and DALL E Fine tune BERT GPT and PaLM models Learn

about different tokenizers and the best practices for preprocessing language data Pretrain a RoBERTa model from scratch Implement retrieval augmented generation and rules bases to mitigate hallucinations Visualize transformer model activity for deeper insights using BertViz LIME and SHAP Go in depth into vision transformers with CLIP DALL E and GPT Who this book is for This book is ideal for NLP and CV engineers data scientists machine learning practitioners software developers and technical leaders looking to advance their expertise in LLMs and generative AI or explore latest industry trends Familiarity with Python and basic machine learning concepts will help you fully understand the use cases and code examples However hands on examples involving LLM user interfaces prompt engineering and no code model building ensure this book remains accessible to anyone curious about the AI revolution

MC Microsoft Certified Azure AI Fundamentals Study Guide Adora Nwodo, 2025-10-30 A fast and efficient prep handbook for the Azure AI Fundamentals certification exam In MC Microsoft Certified Azure AI Fundamentals Study Guide Exam AI 900 experienced software engineer Adora Nwodo walks you through every technical topic you need to understand to succeed on the AI 900 certification exam and build a fundamental understanding of Azure AI features The Study Guide uses the proven and popular Sybex approach to help you use Azure AI in the real world whether you re in a technical or non technical role Nwodo offers clear explanations step by step instructions and visual aids to guide you through essential AI concepts and shows you how to use them in the Azure cloud You ll learn about Artificial intelligence concepts and workloads Responsible AI use in Azure Core concepts in AI models and solutions Introduction to machine learning concepts including data preprocessing training and validation algorithms and more The application of machine learning concepts on the Azure cloud platform Computer vision in Azure Natural language processing concepts Generative AI concepts The Azure OpenAI Service Example AI use cases and industry specific applications The MC Microsoft Certified Azure AI Fundamentals Study Guide highlights best practices for industry newcomers and veterans alike and builds the confidence you need to pass the AI 900 certification exam on your first attempt Inside the book Intuitively organized material and additional sample questions that allow you to selectively study the areas in which you need to improve Carefully explained content appropriate for non technical professionals who interact with AI technologies occasionally or on a daily basis Complimentary access to the superior Sybex online learning environment and test bank including practice test questions digital flashcards and a glossary of key terms Perfect for everyone preparing for the AI 900 certification exam the Microsoft Certified Azure AI Fundamentals Study Guide is also a must read for technical and non technical professionals especially those working in AI impacted industries like sales and marketing who wish to expand their AI skillset and improve their effectiveness at work

Scaling Enterprise Solutions with Large Language Models Arindam Ganguly, 2025-05-20 Artificial Intelligence AI is the bedrock of today s applications propelling the field towards Artificial General Intelligence AGI Despite this advancement integrating such breakthroughs into large scale production grade enterprise applications presents significant challenges This book addresses these hurdles in the domain of large language

models within enterprise solutions By leveraging Big Data engineering and popular data cataloguing tools you ll see how to transform challenges into opportunities emphasizing data reuse for multiple AI models across diverse domains You ll gain insights into large language model behavior by using tools such as LangChain and LLamaIndex to segment vast datasets intelligently Practical considerations take precedence guiding you on effective AI Governance and data security especially in data sensitive industries like banking This enterprise focused book takes a pragmatic approach ensuring large language models align with broader enterprise goals From data gathering to deployment it emphasizes the use of low code AI workflow tools for efficiency Addressing the challenges of handling large volumes of data the book provides insights into constructing robust Big Data pipelines tailored for Generative AI applications Scaling Enterprise Solutions with Large Language Models will lead you through the Generative AI application lifecycle and provide the practical knowledge to deploy efficient Generative AI solutions for your business What You Will Learn Examine the various phases of an AI Enterprise Applications implementation Turn from AI engineer or Data Science to an Intelligent Enterprise Architect Explore the seamless integration of AI in Big Data Pipelines Manage pivotal elements surrounding model development ensuring a comprehensive understanding of the complete application lifecycle Plan and implement end to end large scale enterprise AI applications with confidence Who This Book Is For Enterprise Architects Technical Architects Project Managers and Senior Developers

.NET MAUI Cookbook Alexander Russkov,2024-12-13 Build robust cross platform apps with practical recipes covering UI best practices and performance optimization to authentication offline data synchronization and AI integration Key Features Follow step by step recipes with best practices for a performant UI and structured business logic Perform essential modern tasks like integration with Web API Google OAuth SignalR and AI Check out additional sections for deep understanding common pitfalls and GitHub examples Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionThink about how much time you usually spend building an app in a technology you re still mastering grasping new concepts navigating roadblocks and even rewriting entire modules as you learn This book saves you that time helping you create a modern NET MAUI application like a pro The chapters address a wide range of tasks and concepts essential for real world apps including UI best practices and advanced tips MVVM dependency injection performance and memory profiling Since real world applications often go beyond frontend development this book also explores integration with backend services for authentication data processing synchronization and real time updates Additionally you ll learn to implement multiple AI integration strategies all without any prior machine learning experience Mastery comes with practice so the book is organized with step by step recipes each tackling a specific task Each recipe includes detailed explanations to help you apply what you re learning to your own unique projects By the end of this book you ll have developed the skills to build high performance interactive cross platform applications with NET MAUI saving valuable time on your future projects What you will learn Discover effective techniques for creating robust adaptive layouts Leverage MVVM DI cached repository and unit

of work patterns Integrate authentication with a self hosted service and Google OAuth Incorporate session management and role based data access Tackle real time updates chunked file uploads and offline data mode Explore AI integration strategies from local device to cloud models Master techniques to fortify your app with platform specific APIs Identify and eliminate performance and memory issues Who this book is for This book is for intermediate developers familiar with NET MAUI basics and is perfect for those looking to deepen their understanding and refine their skills for creating cross platform applications and delivering top quality applications The book offers advanced techniques and practical examples for handling real world development challenges effectively

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