OpenAI

...The Basics

02 Chat Completion

Openai Top Tutorial

Alexandra I. Cristea,Erin Walker,Yu Lu,Olga C. Santos,Seiji Isotani

Openai Top Tutorial:

The Essential Guide to Prompt Engineering Vladimir Geroimenko,2025-03-17 This book provides a concise yet comprehensive guide to mastering the entire spectrum of prompt engineering from fundamental concepts to pro level techniques and essential security considerations Filled with practical examples and detailed explanations it delivers actionable knowledge that can be directly applied to AI projects The guide includes dedicated chapters on key challenges and security issues equipping readers to overcome significant obstacles they may encounter It outlines a clear pathway to the art and science of prompt engineering offering the tools and insights for a successful journey into the rapidly evolving world of generative AI With its holistic approach and coherent structure this book is an indispensable resource for AI developers professionals in related fields enthusiasts graduate and undergraduate students and anyone keen to enhance the efficiency of their interactions with AI models   Building LLMs for Production Louis-François Bouchard,Louie Peters ,2024-05-21 This is the most comprehensive textbook to date on building LLM applications all essential topics in an AI Engineer s toolkit Jerry Liu Co founder and CEO of LlamaIndex THE BOOK WAS UPDATED ON OCTOBER 2024 With amazing feedback from industry leaders this book is an end to end resource for anyone looking to enhance their skills or dive into the world of AI and develop their understanding of Generative AI and Large Language Models LLMs It explores various methods to adapt foundational LLMs to specific use cases with enhanced accuracy reliability and scalability Written by over 10 people on our Team at Towards AI and curated by experts from Activeloop LlamaIndex Mila and more it is a roadmap to the tech stack of the future The book aims to guide developers through creating LLM products ready for production leveraging the potential of AI across various industries It is tailored for readers with an intermediate knowledge of Python What s Inside this 470 page Book Updated October 2024 Hands on Guide on LLMs Prompting Retrieval Augmented Generation RAG Fine tuning Roadmap for Building Production Ready Applications using LLMs Fundamentals of LLM Theory Simple to Advanced LLM Techniques Frameworks Code Projects with Real World Applications Colab Notebooks that you can run right away Community access and our own AI Tutor Table of Contents Chapter I Introduction to Large Language Models Chapter II LLM Architectures Landscape Chapter III LLMs in Practice Chapter IV Introduction to Prompting Chapter V Retrieval Augmented Generation Chapter VI Introduction to LangChain LlamaIndex Chapter VII Prompting with LangChain Chapter VIII Indexes Retrievers and Data Preparation Chapter IX Advanced RAG Chapter X Agents Chapter XI Fine Tuning Chapter XII Deployment and Optimization Whether you re looking to enhance your skills or dive into the world of AI for the first time as a programmer or software student our book is for you From the basics of LLMs to mastering fine tuning and RAG for scalable reliable AI applications we guide you every step of the way   Advanced Prompt Engineering Tejaswini Bodake,2024-05-17 The Advanced Prompt Engineering is your definitive guide to mastering the art and science of prompt engineering in natural language processing From fine tuning language models to crafting precise prompts this book equips you with the knowledge

and techniques needed to harness the full potential of language models Dive deep into advanced concepts such as controlling model outputs optimizing prompts for specific tasks and collaborating effectively with subject matter experts With practical examples case studies and hands on exercises this comprehensive resource empowers you to elevate your prompt engineering skills and revolutionize the way you interact with language models Whether you re a seasoned practitioner or a newcomer to the field Technical Writing for Software Developers Chris Chinchilla,2024-03-29 Elevate your software development process with expert technical writing skills fostering clarity collaboration and successful product outcomes Key Features Optimize documentation workflows with collaborative version controlled docs as code tooling options Engage with interactive learning modules embedded throughout the book Improve software quality as a lead developer through effective communication in documentation Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionEffective documentation is key to the success of products in remote software development teams facilitating clear instructions that benefit the entire development team Technical Writing for Software Developers lays a solid foundation of essential grammar providing language tips and explaining how precise writing enhances documentation and walks you through the fundamental types and styles of documentation Starting with an exploration of the current state of the tech writing industry and its significance in both the software and hardware realms you ll master the building blocks of technical writing exploring tooling choices and style guides and create dynamic multimedia laden documentation This book equips you with valuable insights into the writing and feedback process to ensure continuous improvement Additionally you ll take a peek at the emerging trends and technologies including AI tools shaping the future of technical writing By the end of this technical writing book you ll have developed the expertise you need to tackle documentation requests effectively armed with the knowledge of the best approach for documenting any topic encompassing text media elements structure and appropriate tools The skills acquired will enable you to achieve seamless teamwork enhanced project efficiency and successful software development What you will learn Create engaging multimedia rich documentation Understand the types and styles of documentation Discover grammar and language tips for clear communication Streamline your documentation process with the right tooling choice Master the writing and feedback process for continuous improvement Explore automation techniques for efficient documentation workflows Embrace AI powered tools for enhanced technical writing Who this book is for This book is for software developers who want to improve their technical writing prowess Whether you are a junior developer looking to refine your documentation skills or a professional striving for smoother collaboration this resource equips you with all the essential knowledge and practical insights you need Covering everything from creating clear documentation to enhancing career prospects this book caters to a diverse range of software developers including programmers software architects and software engineers looking to streamline the product development process and save time **Building Intelligent Applications with Generative AI** Yattish Ramhorry,2024-08-22 DESCRIPTION Building Intelligent Applications with

Generative AI is a comprehensive guide that unlocks the power of generative AI for building cutting edge applications This book covers a wide range of use cases and practical examples from text generation and conversational agents to creative media generation and code completion These examples are designed to help you capitalize on the potential of generative AI in your applications Through clear explanations step by step tutorials and real world case studies you will learn how to prepare data and train generative AI models You will also explore different generative AI techniques including large language models like GPT 4 ChatGPT Llama 2 and Google s Gemini to understand how they can be applied in various domains such as content generation virtual assistants and code generation With a focus on practical implementation this book also examines ethical considerations best practices and future trends in generative AI Further this book concludes by exploring ethical considerations and best practices for building responsible GAI applications ensuring you are harnessing this technology for good By the end of this book you will be well equipped to leverage the power of GAI to build intelligent applications and unleash your creativity in innovative ways KEY FEATURES Learn the fundamentals of generative AI and the practical usage of prompt engineering Gain hands on experience in building generative AI applications Learn to use tools like LangChain LangSmith and FlowiseAI to create intelligent applications and AI chatbots WHAT YOU WILL LEARN Understand generative AI GAI and large language models LLMs Explore real world GAI applications across industries Build intelligent applications with the ChatGPT API Explore retrieval augmented generation with LangChain and Gemini Pro Create chatbots with LangChain and Streamlit for data retrieval WHO THIS BOOK IS FOR This book is for developers data scientists AI practitioners and tech enthusiasts who are interested in leveraging generative AI techniques to build intelligent applications across various domains TABLE OF CONTENTS 1 Exploring the World of Generative AI 2 Use Cases for Generative AI Applications 3 Mastering the Art of Prompt Engineering 4 Integrating Generative AI Models into Applications 5 Emerging Trends and the Future of Generative AI 6 Building Intelligent Applications with the ChatGPT API 7 Retrieval Augmented Generation with Gemini Pro 8 Generative AI Applications with Gradio 9 Visualize your Data with LangChain and Streamlit 10 Building LLM Applications with Llama 2 11 Building an AI Document Chatbot with Flowise AI 12 Best Practices for Building Applications with Generative AI 13 Ethical Considerations of Generative AI   *Artificial Intelligence and Large Language Models* Kutub Thakur,Helen G. Barker,Al-Sakib Khan Pathan,2024-07-12 Having been catapulted into public discourse in the last few years this book serves as an in depth exploration of the ever evolving domain of artificial intelligence AI large language models and ChatGPT It provides a meticulous and thorough analysis of AI ChatGPT technology and their prospective trajectories given the current trend in addition to tracing the significant advancements that have materialized over time Key Features Discusses the fundamentals of AI for general readers Introduces readers to the ChatGPT chatbot and how it works Covers natural language processing NLP the foundational building block of ChatGPT Introduces readers to the deep learning transformer architecture Covers the fundamentals of ChatGPT training for practitioners Illustrated and

organized in an accessible manner this textbook contains particular appeal to students and course convenors at the undergraduate and graduate level as well as a reference source for general readers *Artificial Intelligence in Education. Posters and Late Breaking Results, Workshops and Tutorials, Industry and Innovation Tracks, Practitioners, Doctoral Consortium, Blue Sky, and WideAIED* Alexandra I. Cristea,Erin Walker,Yu Lu,Olga C. Santos,Seiji Isotani,2025-07-23 This three volume set CCIS 2590 2592 constitutes poster papers and late breaking results workshops and tutorials practitioners industry and policy track doctoral consortium blue sky and wideAIED papers presented at the 26th International Conference on Artificial Intelligence in Education AIED 2025 held in Palermo Italy during July 22 26 2025 The 72 full papers and 73 short papers 72 of them presented as posters presented in this book were carefully reviewed and selected from 296 submissions They are organized in topical sections as follows Part I BlueSky Practitioners Industry and Policy WideAIED Doctoral Consortium Part II Late Breaking Results Part III Late Breaking Results Workshops and Tutorials   Practical IoT Handbook Rodrigo J Hernandez,2025-05-31 DESCRIPTION The field of the IoT is fundamentally reshaping how physical objects interact with digital systems through enhanced connectivity and embedded intelligence This book serves as an indispensable resource guiding readers through the essential principles and techniques required to unlock the full potential of IoT From foundational concepts to the development of innovative real world applications this handbook offers a structured step by step approach for anyone seeking either a comprehensive introduction or an opportunity to expand their expertise in this transformative domain The book begins with hands on projects that guide readers through the essentials of IoT development combining foundational knowledge with practical application Readers will work with popular development boards like the ESP8266 ESP32 Raspberry Pi Pico and Raspberry Pi 4 while learning key hardware concepts and setting up a development environment using free open source tools such as Arduino IDE Python and Visual Studio Code Core IoT topics include programming microcontrollers interfacing with sensors and actuators and using communication protocols like MQTT CoAP and HTTP The book also covers storing and visualizing data with InfluxDB and Grafana By the end of this book readers will have developed a solid foundation in IoT programming along with the practical skills and theoretical understanding necessary to design build and deploy effective IoT solutions The book prepares readers to undertake a wide range of IoT projects and contribute meaningfully to this rapidly advancing field WHAT YOU WILL LEARN ESP32 ESP8266 Raspberry Pi interfacing and programming tools Arduino Python VSC Connect and use sensors and actuators with the microcontrollers and the Raspberry Pi 4 computer Learn about open source systems Node RED InfluxDB Grafana Home Assistant and OpenHAB Interface diverse sensors actuators master GPIO MQTT CoAP HTTP protocols Design and implement connected systems for environmental and home automation WHO THIS BOOK IS FOR This book is for students pursuing tech careers tech enthusiasts hobbyists makers and software developers interested in learning IoT programming Basic programming knowledge and familiarity with electronics concepts will be beneficial but not strictly required as the book guides you from

the fundamentals TABLE OF CONTENTS 1 Meet the Boards 2 Installing the Software Environment 3 Microcontrollers Sensors and Actuators 4 Interfacing with Raspberry Pi 5 Connecting IoT Devices using MQTT 6 CoAP for IoT Connectivity 7 Using HTTP and WebSockets in IoT 8 Storing Internet of Things Data 9 Visualizing Internet of Things Data 10 Building a Weather Station 11 Home Automation *Introduction to Computer Systems and Software Engineering* Enamul Haque,2023-03-18 Discover the fascinating world of computer systems and software engineering with Computer Science Engineering CSE for Non CSE Enthusiasts Introduction to Computer Systems and Software Engineering This comprehensive guide is designed for enthusiasts with no prior background in computer science or programming making complex concepts accessible and engaging Dive into three captivating chapters that introduce you to computer systems programming and software engineering Explore the history of computers hardware software operating systems and networks Unravel the mysteries of computer programming and learn about object oriented programming and programming languages Finally understand the objectives of software engineering its comparison with other disciplines and the software design process The book s practice questions exercises and projects reinforce the concepts learned ensuring a solid understanding of these essential topics Written in an accessible and straightforward language Computer Science Engineering CSE for Non CSE Enthusiasts is the perfect resource for anyone eager to explore the exciting world of computer systems and software engineering Start your journey today **Cue** ,1951 The New Statesman and Nation ,1947 *Chatgpt | Generative AI - The Step-By-Step Guide For OpenAI & Azure OpenAI In 36 Hrs.* Ajit Dash,2023-08-27 Dive into the world of OpenAI and Azure OpenAI in 36 hrs with this comprehensive guide From understanding the fundamentals of AI and machine learning to exploring the power of GPT models and advanced NLP techniques this book equips you with the knowledge to leverage cutting edge technologies Learn how to harness tokens navigate installations and master prompt engineering Whether you re a developer data professional or AI enthusiast this book offers hands on engagement real world relevance and practical insights Unveil the potential of OpenAI and Azure OpenAI to transform your AI journey In this Step by Step Guide you ll find clear and concise instructions practical examples and hands on exercises that will accelerate your learning journey From understanding the fundamentals of AI OpenAI Azure OpenAI Machine learning to exploring natural language processing and building chatbots you ll gain the knowledge and confidence to apply these technologies in real world scenarios CHAPTER SUMMARY Chapter 1 Introduction to OpenAI and Azure OpenAI Exploring OpenAI s mission Azure OpenAI s features benefits and differences between OpenAI and Azure OpenAI Chapter 2 Understanding AI and ML Delving into artificial intelligence and machine learning key components and the role of deep learning and neural networks Chapter 3 Introduction to NLP Basics of natural language processing techniques like tokenization and text classification and language model applications Chapter 4 Exploring GPT Models Overview of GPT models details of GPT 3 and GPT 4 their architecture capabilities and differences including GPT 3 5 Turbo and Codex Chapter 5 How Tokens Work Understanding tokens in GPT

models their benefits and examples of successful Azure OpenAI implementations Chapter 6 Installation of OpenAI Setting up an OpenAI account exploring OpenAI product offerings understanding ChatGPT DALL E 2 and APIs Chapter 7 Installation of Azure OpenAI Installing and setting up Azure CLI creating an Azure account deploying models and utilizing Azure OpenAI playground and resources Chapter 8 GPT Model Architecture Unveiling the architecture of GPT models their history and learning more about LLM Chapter 9 Prompt Engineering Exploring prompt engineering in context shots text classification and various use cases Chapter 10 Content Filtering Examining content filtering goals methods and applications Chapter 11 Hallucination and Fine Tuning Understanding hallucination fine tuning and their best practices Chapter 12 Use Cases Installation instructions and examples of interview question generators stock market recommendations and building chatbots

GPT-3 Sandra Kublik,Shubham Saboo,2023-02-13 GPT 3 The Ultimate Guide To Building NLP Products With OpenAI API is a comprehensive book on the Generative Pre trained Transformer 3 AI language model covering its significance capabilities and application in creating innovative NLP Products Key FeaturesExploration of GPT 3 The book explores GPT 3 a powerful language model and its capabilitiesBusiness applications The book provides practical knowledge on using GPT 3 to create new business productsExamination of AI trends The book examines the impact of GPT 3 on emerging creator economy and trends like no code AGIBook Description GPT 3 has made creating AI apps simpler than ever This book provides a comprehensive guide on how to utilize the OpenAI API with ease It explores imaginative methods of utilizing this tool for your specific needs and showcases successful businesses that have been established through its use The book is divided into two sections with the first focusing on the fundamentals of the OpenAI API The second part examines the dynamic and thriving environment that has arisen around GPT 3 Chapter 1 sets the stage with background information and defining key terms Chapter 2 goes in depth into the API breaking it down into its essential components explaining their functions and offering best practices Chapter 3 you will build your first app with GPT 3 Chapter 4 features interviews with the founders of successful GPT 3 based products who share challenges and insights gained Chapter 5 examines the perspective of enterprises on GPT 3 and its potential for adoption The problematic consequences of widespread GPT 3 adoption such as misapplication and bias are addressed along with efforts to resolve these issues in Chapter 6 Finally Chapter 7 delves into the future by exploring the most exciting trends and possibilities as GPT 3 becomes increasingly integrated into the commercial ecosystem What you will learnLearn the essential components of the OpenAI API along with the best practicesBuild and deploy your first GPT 3 powered applicationLearn from the journeys of industry leaders startup founders who have built and deployed GPT 3 based products at scaleLook at how enterprises view GPT 3 and its potential for adoption for scalable solutionsNavigating the Consequences of GPT 3 adoption and efforts to resolve themExplore the exciting trends and possibilities of combining models with GPT 3 with No codeWho this book is for This book caters to individuals from diverse backgrounds not just technical experts It should be useful to you if you are A data expert seeking to improve your AI

expertiseAn entrepreneur looking to revolutionize the AI industryA business leader seeking to enhance your AI knowledge and apply it to informed decision makingA content creator in the language domain looking to utilize GPT 3 s language abilities for creative and imaginative projectsAnyone with an AI idea that was previously deemed technically unfeasible or too costly to execute **Exploring GPT-3** Steve Tingiris,Bret Kinsella,2021-08-27 Get started with GPT 3 and the OpenAI API for natural language processing using JavaScript and Python Key FeaturesUnderstand the power of potential GPT 3 language models and the risks involvedExplore core GPT 3 use cases such as text generation classification and semantic search using engaging examplesPlan and prepare a GPT 3 application for the OpenAI review process required for publishing a live applicationBook Description Generative Pre trained Transformer 3 GPT 3 is a highly advanced language model from OpenAI that can generate written text that is virtually indistinguishable from text written by humans Whether you have a technical or non technical background this book will help you understand and start working with GPT 3 and the OpenAI API If you want to get hands on with leveraging artificial intelligence for natural language processing NLP tasks this easy to follow book will help you get started Beginning with a high level introduction to NLP and GPT 3 the book takes you through practical examples that show how to leverage the OpenAI API and GPT 3 for text generation classification and semantic search You ll explore the capabilities of the OpenAI API and GPT 3 and find out which NLP use cases GPT 3 is best suited for You ll also learn how to use the API and optimize requests for the best possible results With examples focusing on the OpenAI Playground and easy to follow JavaScript and Python code samples the book illustrates the possible applications of GPT 3 in production By the end of this book you ll understand the best use cases for GPT 3 and how to integrate the OpenAI API in your applications for a wide array of NLP tasks What you will learnUnderstand what GPT 3 is and how it can be used for various NLP tasksGet a high level introduction to GPT 3 and the OpenAI APIImplement JavaScript and Python code examples that call the OpenAI APIStructure GPT 3 prompts and options to get the best possible resultsSelect the right GPT 3 engine or model to optimize for speed and cost efficiencyFind out which use cases would not be suitable for GPT 3Create a GPT 3 powered knowledge base application that follows OpenAI guidelinesWho this book is for Exploring GPT 3 is for anyone interested in natural language processing or learning GPT 3 with or without a technical background Developers product managers entrepreneurs and hobbyists looking to get to grips with NLP AI and GPT 3 will find this book useful Basic computer skills are all you need to get the most out of this book **Creating ChatGPT Apps with JavaScript** Bruce Hopkins Jr.,Bruce Hopkins Sr.,2025-06-06 Transform your JavaScript expertise through the power of Open AI API models using Creating ChatGPT Apps with JavaScript This book will guide JavaScript developers to build smart applications while providing tangible knowledge of OpenAI s API for text summarization creating transcripts from audio files generating images and running models locally on your machine Through hands on projects and code examples readers will discover how to build AI powered apps from scratch such as using embeddings to train a Discord bot to answer customers questions in multiple

languages Readers will also learn to dictate text for writing articles or blogs with a localized integration of Whisper and generate hero images with Dall E What s more in the final chapter of this book you ll be able to maximize productivity by creating a Smart Assistant like Alexa or Siri with JavaScript and the new Raspberry Pi 5 From seasoned developers to newcomers this book offers something for everyone Not only will readers learn to build apps with ChatGPT and JavaScript but they will also learn best practices for prompt engineering They ll understand how AI models can enhance workplace efficiency and utilize natural language processing NLP to make interactions with applications feel well natural The end result is expert knowledge in leveraging ChatGPT programmatically and incorporating the technology into diverse applications What You Will Learn Gain a deeper understanding of ChatGPT and how OpenAI s models work and different ways to implement each of their various features Authenticate with ChatGPT and OpenAI s API and learn to send prompts with best practices with prompt engineering Streamline productivity and content creation by leveraging transcription generation for dictation and image generation for creating hero images Stay ahead of the game by incorporating different new features of OpenAI s API and understanding more complex concepts like using GPT 4 to train a Discord bot with an FAQ to assist with multilingual tech support Who This Book is for This book is written for JavaScript developers and hobbyists that want to use OpenAI and ChatGPT to create intelligent applications and streamline productivity No prior experience with ChatGPT or OpenAI APIs is required   Mastering OpenAI for Enterprise Sriram Subramanian,2025-03-11 TAGLINE Master OpenAI and Unlock the Future of AI Powered Innovation KEY FEATURES In depth exploration of OpenAI tools models and enterprise use cases Hands on projects with extensive code samples for practical learning Real world case studies with ethical AI insights and best practices DESCRIPTION OpenAI is transforming industries with cutting edge AI models redefining how businesses operate innovate and compete Mastering OpenAI for Enterprise is your definitive guide to harnessing the power of OpenAI s groundbreaking technologies including GPT models DALL E and more Designed for AI engineers developers and business leaders this book offers an in depth understanding of OpenAI s tools and their real world applications in enterprise settings This hands on guide provides a structured learning path featuring practical code samples step by step implementations and industry case studies that bridge theory with practice Whether you re building intelligent chatbots leveraging AI for automation or exploring generative AI for creative solutions this book equips you with the knowledge and skills to seamlessly integrate OpenAI into your workflows Ethical AI development and responsible implementation are also key themes ensuring that innovation is balanced with accountability As AI continues to evolve at an unprecedented pace mastering OpenAI is no longer optional it s essential The future belongs to those who can effectively leverage these technologies Don t get left behind equip yourself with the expertise needed to stay ahead in the AI revolution WHAT WILL YOU LEARN Gain expertise in OpenAI s models APIs and enterprise applications Build intelligent chatbots and virtual assistants using ChatGPT Implement ethical AI practices for responsible and fair deployment Optimize and deploy OpenAI models for scalable business

solutions Analyze real world case studies to drive AI powered innovation Leverage generative AI to automate enhance and transform workflows WHO IS THIS BOOK FOR This book is tailored for both beginners and experienced professionals looking to harness the power of OpenAI Ideal for application architects developers AI engineers CTOs and technology leaders it provides the essential knowledge and hands on skills needed to integrate OpenAI solutions into enterprise applications effectively TABLE OF CONTENTS 1 OpenAI Primer 2 Deep Learning Transformers and OpenAI Tools 3 Natural Language Processing with GPTs 4 Computer Vision with DALL E and CLIP 5 Building Chatbots with ChatGPT 6 AI Ethics and Responsible AI 7 Deploying OpenAI Models 8 Case Studies and Best Practices Appendix Retrieval Augmented Generation RAG Index   LangGraph for Beginners Kieran Fluxwell,2025-11-20 What if you could build powerful AI agents even as a complete beginner and finally understand LangGraph the OpenAI API and Python automation without getting lost or overwhelmed If you ve been struggling with tutorials that jump too fast confusing jargon or incomplete explanations you re not alone Maybe you ve tried learning AI with Python before but every guide felt too advanced Or you wanted to create practical projects like an AI coding assistant a PDF Q A bot or real AI automation workflows but had no idea where to start This book changes everything LangGraph for Beginners gives you a clear path to building your own AI assistants using LangGraph OpenAI Python workflows and beginner friendly AI agent automation techniques You ll learn step by step how to create real projects structure agent workflows and use best practices normally reserved for advanced developers Whether you re exploring AI agents with Python experimenting with LangChain beginner workflows or building your first OpenAI Python tutorial project this book shows you exactly what to do without unnecessary complexity By the end you ll confidently plan build and deploy AI agents even if you ve never created anything beyond simple scripts Inside this book you ll discover how to Build smart structured agents using LangGraph for beginners with diagrams and real examples Create end to end AI agent Python projects from idea workflow output Follow project based walkthroughs using python openai tutorial patterns Master essential skills for AI automation with Python even with no prior experience Understand the differences between tool calling and function calling in real agent systems Build reusable workflows and templates that match modern AI workflow builder practices Apply the same step by step methods used to create AI coding assistant projects and other real world automations Perfect for beginners who want to build real AI tools fast Whether you re a student an engineer a freelancer or simply someone curious about openai python projects this book gives you everything you need to succeed complete with explanations templates project scaffolds and a learning path that grows with you Ready to stop watching tutorials and start building your own AI agents If your goal is to truly understand how AI agents work and actually build them then LangGraph for Beginners is the guide you ve been waiting for Start your journey into Python based AI automation today Your future AI projects are waiting inside   **Building Context-Aware AI Agents with MCP** AKSHAY. PACHAAR,2025-07-22 Building Context Aware AI Agents with MCP A Hands On Guide to Integrating OpenAI Claude LangChain in Real World Applications

Bring your AI projects into the future with Model Context Protocol MCP the breakthrough standard that unifies tool invocation context persistence and streaming for intelligent agents If you re a developer eager to build robust production ready AI systems this book is your roadmap from hello world to edge deployed context aware agents In clear concise chapters you will Master MCP Fundamentals Set up your environment understand JSON RPC transport and learn how MCP differs from traditional function calling and LangChain tools Build Real World Projects Hands on code walkthroughs guide you through building a To Do List Manager multi agent research workflows embedding retrieval services DevOps assistants and more Integrate Top AI Models Seamlessly connect OpenAI GPT 4 Anthropic Claude and custom LangChain agents to your MCP server for unified scalable tool orchestration Deploy at Scale Containerize with Docker automate CI CD with GitHub Actions or GitLab CI and choose between Kubernetes serverless or hybrid cloud deployments for maximum reliability Ensure Security Compliance Implement TLS CORS token based authentication audit trails rate limiting and GDPR HIPAA best practices to protect your users and infrastructure Advance Your Career Learn industry proven patterns in error handling performance tuning testing strategies and future proof interoperability positioning you at the forefront of AI development Exclusive Code Access All examples are fully self contained in the book For a ready to go code archive email akshaypachaar books gmail com with the subject Code Samples Request and receive the complete ZIP download Ready to Lead the AI Revolution Dive into Building Context Aware AI Agents with MCP today equip yourself with the skills to create intelligent adaptable agents and transform the way applications think Once you ve built your first agent leave an honest review on Amazon to help fellow developers discover this essential guide **OPENAI** PRASATH. SRIDHAR,2024 <u>Building AI Agents with OpenAI SDK</u> Jenny F Yazzie,2025-11-17 Building AI Agents with OpenAI SDK A Hands On Guide from Novice to Expert Unlock the power of AI and learn how to build your own intelligent agents with OpenAI s cutting edge SDK Whether you re a beginner or an experienced developer this guide will take you step by step toward mastering AI agent development Building AI Agents with OpenAI SDK A Hands On Guide from Novice to Expert offers a comprehensive journey into the world of AI development guiding you through every stage of building intelligent responsive agents using OpenAI s powerful tools Starting with the basics this book takes you from setting up your environment to creating fully functional agents capable of tackling real world tasks Through a series of practical hands on projects you ll gain expertise in using AI for tasks such as natural language processing task automation and personalized recommendations By the end of this guide you ll be able to build sophisticated AI agents with the confidence to adapt them to any domain whether it s business healthcare customer service or more Benefits Step by Step Tutorials Clear instructions for building and deploying real world AI agents from simple chatbots to advanced systems Practical Hands On Projects Gain experience through practical examples and real applications that you can use in your own projects Master the OpenAI SDK Learn how to harness the full potential of OpenAI s SDK from basic API usage to complex agent creation Understand AI Ethics Build responsible transparent AI agents by

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Openai Top Tutorial Introduction

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