

finxter



If you have only one version of Python installed
`pip install openai`

If you have Python 3 (and, possibly, other versions) installed
`pip3 install openai`

If you don't have PIP or it doesn't work
`python -m pip install openai`
`python3 -m pip install openai`

If you have Linux and you need to fix permissions (any one)
`sudo pip3 install openai`
`pip3 install openai --user`

If you have Linux with apt
`sudo apt install openai`

If you have Windows and you have set up the py alias
`py -m pip install openai`

If you have Anaconda
`conda install -c anaconda openai`

If you have Jupyter Notebook
`!pip install openai`
`!pip3 install openai`

Python 

How to Install OpenAI



Openai Review Install

Antonio Gulli,Amita Kapoor



Openai Review Install:

Azure OpenAI Essentials Amit Mukherjee, Adithya Saladi, 2025-02-27 Build innovative scalable and ethical AI solutions by harnessing the full potential of generative AI with this exhaustive guide

Key Features Explore the capabilities of Azure OpenAI's LLMs Craft end-to-end applications by utilizing the synergy of Azure OpenAI and Cognitive Services Design enterprise-grade GenAI solutions with effective prompt engineering fine-tuning and AI safety measures Purchase of the print or Kindle book includes a free PDF eBook

Book Description Find out what makes Azure OpenAI a robust platform for building AI-driven solutions that can transform how businesses operate Written by seasoned experts from Microsoft this book will guide you in understanding Azure OpenAI from fundamentals through to advanced concepts and best practices The book begins with an introduction to large language models LLMs and the Azure OpenAI Service detailing how to access use and optimize its models You'll learn how to design and implement AI-driven solutions such as question answering systems contact center analytics and GPT-powered search applications Additionally the chapters walk you through advanced concepts including embeddings fine-tuning models prompt engineering and building custom AI applications using LangChain and Semantic Kernel You'll explore real-world use cases such as QnA systems document summarizers and SQLGPT for database querying as well as gain insights into securing and operationalizing these solutions in enterprises By the end of this book you'll be ready to design develop and deploy scalable AI solutions ensuring business success through intelligent automation and data-driven insights

What you will learn Understand the concept of large language models and their capabilities Interact with different models in Azure OpenAI using APIs or web interfaces Use content filters and mitigations to prevent harmful content generation Develop solutions with Azure OpenAI for content generation summarization semantic search NLU code and image generation and analysis Integrate Azure OpenAI with other Azure Cognitive services for enhanced functionality Apply best practices for data privacy security and prompt engineering with Azure OpenAI

Who this book is for This book is for software developers data scientists AI engineers ML engineers system architects LLM engineers IT professionals product managers and business professionals who want to learn how to use Azure OpenAI to create innovative solutions with generative AI To fully benefit from this book you must have both an Azure subscription and Azure OpenAI access along with knowledge of Python

Hands-On Intelligent Agents with OpenAI Gym Praveen Palanisamy, 2018-07-31 Implement intelligent agents using PyTorch to solve classic AI problems play console games like Atari and perform tasks such as autonomous driving using the CARLA driving simulator

Key Features Explore the OpenAI Gym toolkit and interface to use over 700 learning tasks Implement agents to solve simple to complex AI problems Study learning environments and discover how to create your own

Book Description Many real-world problems can be broken down into tasks that require a series of decisions to be made or actions to be taken The ability to solve such tasks without a machine being programmed requires a machine to be artificially intelligent and capable of learning to adapt This book is an easy-to-follow guide to implementing learning algorithms for

machine software agents in order to solve discrete or continuous sequential decision making and control tasks

Hands On Intelligent Agents with OpenAI Gym takes you through the process of building intelligent agent algorithms using deep reinforcement learning starting from the implementation of the building blocks for configuring training logging visualizing testing and monitoring the agent You will walk through the process of building intelligent agents from scratch to perform a variety of tasks In the closing chapters the book provides an overview of the latest learning environments and learning algorithms along with pointers to more resources that will help you take your deep reinforcement learning skills to the next level What you will learn Explore intelligent agents and learning environments Understand the basics of RL and deep RL Get started with OpenAI Gym and PyTorch for deep reinforcement learning Discover deep Q learning agents to solve discrete optimal control tasks Create custom learning environments for real world problems Apply a deep actor critic agent to drive a car autonomously in CARLA Use the latest learning environments and algorithms to upgrade your intelligent agent development skills Who this book is for If you re a student game machine learning developer or AI enthusiast looking to get started with building intelligent agents and algorithms to solve a variety of problems with the OpenAI Gym interface this book is for you You will also find this book useful if you want to learn how to build deep reinforcement learning based agents to solve problems in your domain of interest Though the book covers all the basic concepts that you need to know some working knowledge of Python programming language will help you get the most out of it

Getting Started with Azure OpenAI Shimon Ifrah,2024-08-28 Learn to develop AI solutions using Azure SDK for NET and deploy them on Microsoft Azure infrastructure The book will teach you how to deploy Azure OpenAI services using Azure PowerShell Azure CLI and Azure API as well as how to develop a variety of AI solutions using Azure AI services and tools The book starts with an introduction to Azure AI and OpenAI followed by a thorough n exploration of the necessary tools and services for deploying OpenAI in Azure It covers Azure PowerShell Copilot and Azure CLI and includes guidance on using Terraform with Azure OpenAI resources Subsequently detailed discussions on developing the Azure NET SDK for Azure OpenAI and AI Services alongside its use cases are provided Progressing further readers will gain insight into initiating with Azure AI Studio and building Copilot with its help Finally various Azure AI services and AI tools are covered encompassing GitHub Copilot for code writing and management After reading the book you will be able to develop AI solutions in Azure and deploy its services in OpenAI

What You Will Learn Develop a Copilot using Azure AI Studio Access Azure AI and OpenAI services using API Deploy Azure AI Services using Azure CLI PowerShell and Terraform The use of Postman to connect to Azure OpenAI Who This Book Is for This book will be helpful for System Administrators and Azure Administrators

Learn OpenAI Whisper Josué R. Batista,2024-05-31 Master automatic speech recognition ASR with groundbreaking generative AI for unrivaled accuracy and versatility in audio processing Key Features Uncover the intricate architecture and mechanics behind Whisper s robust speech recognition Apply Whisper s technology in innovative projects from audio transcription to voice synthesis Navigate

the practical use of Whisper in real world scenarios for achieving dynamic tech solutions Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionAs the field of generative AI evolves so does the demand for intelligent systems that can understand human speech Navigating the complexities of automatic speech recognition ASR technology is a significant challenge for many professionals This book offers a comprehensive solution that guides you through OpenAI s advanced ASR system You ll begin your journey with Whisper s foundational concepts gradually progressing to its sophisticated functionalities Next you ll explore the transformer model understand its multilingual capabilities and grasp training techniques using weak supervision The book helps you customize Whisper for different contexts and optimize its performance for specific needs You ll also focus on the vast potential of Whisper in real world scenarios including its transcription services voice based search and the ability to enhance customer engagement Advanced chapters delve into voice synthesis and diarization while addressing ethical considerations By the end of this book you ll have an understanding of ASR technology and have the skills to implement Whisper Moreover Python coding examples will equip you to apply ASR technologies in your projects as well as prepare you to tackle challenges and seize opportunities in the rapidly evolving world of voice recognition and processing What you will learn Integrate Whisper into voice assistants and chatbots Use Whisper for efficient accurate transcription services Understand Whisper s transformer model structure and nuances Fine tune Whisper for specific language requirements globally Implement Whisper in real time translation scenarios Explore voice synthesis capabilities using Whisper s robust tech Execute voice diarization with Whisper and NVIDIA s NeMo Navigate ethical considerations in advanced voice technology Who this book is for Learn OpenAI Whisper is designed for a diverse audience including AI engineers tech professionals and students It s ideal for those with a basic understanding of machine learning and Python programming and an interest in voice technology from developers integrating ASR in applications to researchers exploring the cutting edge possibilities in artificial intelligence

ChatGPT for Cybersecurity Cookbook Clint

Bodungen,2024-03-29 Master ChatGPT and the OpenAI API and harness the power of cutting edge generative AI and large language models to revolutionize the way you perform penetration testing threat detection and risk assessment Get With Your Book PDF Copy AI Assistant and Next Gen Reader Free Key Features Enhance your skills by leveraging ChatGPT to generate complex commands write code and create tools Automate penetration testing risk assessment and threat detection tasks using the OpenAI API and Python programming Revolutionize your approach to cybersecurity with an AI powered toolkit Book DescriptionAre you ready to unleash the potential of AI driven cybersecurity This cookbook takes you on a journey toward enhancing your cybersecurity skills whether you re a novice or a seasoned professional By leveraging cutting edge generative AI and large language models such as ChatGPT you ll gain a competitive advantage in the ever evolving cybersecurity landscape ChatGPT for Cybersecurity Cookbook shows you how to automate and optimize various cybersecurity tasks including penetration testing vulnerability assessments risk assessment and threat detection Each recipe

demonstrates step by step how to utilize ChatGPT and the OpenAI API to generate complex commands write code and even create complete tools You ll discover how AI powered cybersecurity can revolutionize your approach to security providing you with new strategies and techniques for tackling challenges As you progress you ll dive into detailed recipes covering attack vector automation vulnerability scanning GPT assisted code analysis and more By learning to harness the power of generative AI you ll not only expand your skillset but also increase your efficiency By the end of this cybersecurity book you ll have the confidence and knowledge you need to stay ahead of the curve mastering the latest generative AI tools and techniques in cybersecurity What you will learn Master ChatGPT prompt engineering for complex cybersecurity tasks Use the OpenAI API to enhance and automate penetration testing Implement artificial intelligence driven vulnerability assessments and risk analyses Automate threat detection with the OpenAI API Develop custom AI enhanced cybersecurity tools and scripts Perform AI powered cybersecurity training and exercises Optimize cybersecurity workflows using generative AI powered techniques Who this book is for This book is for cybersecurity professionals IT experts and enthusiasts looking to harness the power of ChatGPT and the OpenAI API in their cybersecurity operations Whether you re a red teamer blue teamer or security researcher this book will help you revolutionize your approach to cybersecurity with generative AI powered techniques A basic understanding of cybersecurity concepts along with familiarity in Python programming is expected Experience with command line tools and basic knowledge of networking concepts and web technologies is also required

AI Agents in Action Micheal Lanham,2025-03-25 In *AI Agents in Action* you ll learn how to build production ready assistants multi agent systems and behavioral agents You ll master the essential parts of an agent including retrieval augmented knowledge and memory while you create multi agent applications that can use software tools plan tasks autonomously and learn from experience As you explore the many interesting examples you ll work with state of the art tools like OpenAI Assistants API GPT Nexus LangChain Prompt Flow AutoGen and CrewAI

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

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

TensorFlow 1.x Deep Learning Cookbook Antonio Gulli,Amita Kapoor,2017-12-12 Take the next step in implementing various common and not so common neural networks with Tensorflow 1 x About This Book Skill up and implement tricky neural networks using Google s TensorFlow 1 x An easy to follow guide that lets you explore reinforcement learning GANs autoencoders multilayer perceptrons and more Hands on recipes to work with Tensorflow on desktop mobile and cloud environment Who This Book Is For This book is intended for data analysts data scientists machine learning practitioners and

deep learning enthusiasts who want to perform deep learning tasks on a regular basis and are looking for a handy guide they can refer to People who are slightly familiar with neural networks and now want to gain expertise in working with different types of neural networks and datasets will find this book quite useful What You Will Learn Install TensorFlow and use it for CPU and GPU operations Implement DNNs and apply them to solve different AI driven problems Leverage different data sets such as MNIST CIFAR 10 and Youtube8m with TensorFlow and learn how to access and use them in your code Use TensorBoard to understand neural network architectures optimize the learning process and peek inside the neural network black box Use different regression techniques for prediction and classification problems Build single and multilayer perceptrons in TensorFlow Implement CNN and RNN in TensorFlow and use it to solve real world use cases Learn how restricted Boltzmann Machines can be used to recommend movies Understand the implementation of Autoencoders and deep belief networks and use them for emotion detection Master the different reinforcement learning methods to implement game playing agents GANs and their implementation using TensorFlow In Detail Deep neural networks DNNs have achieved a lot of success in the field of computer vision speech recognition and natural language processing The entire world is filled with excitement about how deep networks are revolutionizing artificial intelligence This exciting recipe based guide will take you from the realm of DNN theory to implementing them practically to solve the real life problems in artificial intelligence domain In this book you will learn how to efficiently use TensorFlow Google s open source framework for deep learning You will implement different deep learning networks such as Convolutional Neural Networks CNNs Recurrent Neural Networks RNNs Deep Q learning Networks DQNs and Generative Adversarial Networks GANs with easy to follow independent recipes You will learn how to make Keras as backend with TensorFlow With a problem solution approach you will understand how to implement different deep neural architectures to carry out complex tasks at work You will learn the performance of different DNNs on some popularly used data sets such as MNIST CIFAR 10 Youtube8m and more You will not only learn about the different mobile and embedded platforms supported by TensorFlow but also how to set up cloud platforms for deep learning applications Get a sneak peek of TPU architecture and how they will affect DNN future By using crisp no nonsense recipes you will become an expert in implementing deep learning techniques in growing real world applications and research areas such as reinforcement learning GANs autoencoders and more Style and approach This book consists of hands on recipes where you ll deal with real world problems You ll execute a series of tasks as you walk through data mining challenges using TensorFlow 1 x Your one stop solution for common and not so common pain points this is a book that you must have on the shelf

Proceedings of the 17th European Conference on Game-Based Learning Ton Spil, Guido Bruinsma , Luuk Collou, 2023-10-05 These proceedings represent the work of contributors to the 24th European Conference on Knowledge Management ECKM 2023 hosted by Iscte Instituto Universit rio de Lisboa Portugal on 7 8 September 2023 The Conference Chair is Prof Florinda Matos and the Programme Chair is Prof lvaro Rosa both from Iscte Business School Iscte Instituto

Universit rio de Lisboa Portugal ECKM is now a well established event on the academic research calendar and now in its 24th year the key aim remains the opportunity for participants to share ideas and meet the people who hold them The scope of papers will ensure an interesting two days The subjects covered illustrate the wide range of topics that fall into this important and ever growing area of research The opening keynote presentation is given by Professor Leif Edvinsson on the topic of Intellectual Capital as a Missed Value The second day of the conference will open with an address by Professor Noboru Konno from Tama Graduate School and Keio University Japan who will talk about Society 5 0 Knowledge and Conceptual Capability and Professor Jay Liebowitz who will talk about Digital Transformation for the University of the Future With an initial submission of 350 abstracts after the double blind peer review process there are 184 Academic research papers 11 PhD research papers 1 Masters Research paper 4 Non Academic papers and 11 work in progress papers published in these Conference Proceedings These papers represent research from Australia Austria Brazil Bulgaria Canada Chile China Colombia Cyprus Czech Republic Denmark Finland France Germany Greece Hungary India Iran Iraq Ireland Israel Italy Japan Jordan Kazakhstan Kuwait Latvia Lithuania Malaysia M xico Morocco Netherlands Norway Palestine Peru Philippines Poland Portugal Romania South Africa Spain Sweden Switzerland Taiwan Thailand Tunisia UK United Arab Emirates and the USA

Azure AI Engineer Associate (AI-102) Study Guide Renaldi Gondosubroto,2025-09-09 With the GenAI boom showing no sign of letup the demand for AI skills will only increase with time and innovation Microsoft Azure leads the pack with services for developing and deploying AI solutions so professionals looking to break into this field should consider pursuing certification as an Azure AI Engineer Associate Azure s AI 102 exam isn t a piece of cake but author Renaldi Gondosubroto makes it a great deal more approachable with this comprehensive study guide Packed with expert guidance it covers everything you ll need to know to pass the exam You ll dive deep into all the phases of AI solutions development from requirements definition and design to development deployment and integration along with maintenance performance tuning and monitoring throughout The book also takes you through practical implementation of these systems covering decision support computer vision natural language processing knowledge mining document intelligence and generative AI solutions Understand the core concepts of Azure AI services Develop and deploy AI solutions within Azure s environment Explore integration and security practices with Azure AI services Optimize and troubleshoot AI models on Azure Gain knowledge about building GenAI solutions on Azure and put it into practice

The Regularization Cookbook Vincent Vandenbussche,Akin Osman Kazakci,2023-07-31 Methodologies and recipes to regularize any machine learning and deep learning model using cutting edge technologies such as stable diffusion Dall E and GPT 3 Purchase of the print or Kindle book includes a free PDF eBook Key Features Learn to diagnose the need for regularization in any machine learning model Regularize different ML models using a variety of techniques and methods Enhance the functionality of your models using state of the art computer vision and NLP techniques Book Description Regularization is an infallible way to produce accurate

results with unseen data however applying regularization is challenging as it is available in multiple forms and applying the appropriate technique to every model is a must The Regularization Cookbook provides you with the appropriate tools and methods to handle any case with ready to use working codes as well as theoretical explanations After an introduction to regularization and methods to diagnose when to use it you ll start implementing regularization techniques on linear models such as linear and logistic regression and tree based models such as random forest and gradient boosting You ll then be introduced to specific regularization methods based on data high cardinality features and imbalanced datasets In the last five chapters you ll discover regularization for deep learning models After reviewing general methods that apply to any type of neural network you ll dive into more NLP specific methods for RNNs and transformers as well as using BERT or GPT 3 By the end you ll explore regularization for computer vision covering CNN specifics along with the use of generative models such as stable diffusion and Dall E By the end of this book you ll be armed with different regularization techniques to apply to your ML and DL models What you will learn Diagnose overfitting and the need for regularization Regularize common linear models such as logistic regression Understand regularizing tree based models such as XGBoos Uncover the secrets of structured data to regularize ML models Explore general techniques to regularize deep learning models Discover specific regularization techniques for NLP problems using transformers Understand the regularization in computer vision models and CNN architectures Apply cutting edge computer vision regularization with generative models Who this book is for This book is for data scientists machine learning engineers and machine learning enthusiasts looking to get hands on knowledge to improve the performances of their models Basic knowledge of Python is a prerequisite

Transformers for Natural Language Processing Denis Rothman, 2022-03-25 OpenAI s GPT 3 ChatGPT GPT 4 and Hugging Face transformers for language tasks in one book Get a taste of the future of transformers including computer vision tasks and code writing and assistance Purchase of the print or Kindle book includes a free eBook in PDF format Key Features Improve your productivity with OpenAI s ChatGPT and GPT 4 from prompt engineering to creating and analyzing machine learning models Pretrain a BERT based model from scratch using Hugging Face Fine tune powerful transformer models including OpenAI s GPT 3 to learn the logic of your data Book Description Transformers are well transforming the world of AI There are many platforms and models out there but which ones best suit your needs Transformers for Natural Language Processing 2nd Edition guides you through the world of transformers highlighting the strengths of different models and platforms while teaching you the problem solving skills you need to tackle model weaknesses You ll use Hugging Face to pretrain a RoBERTa model from scratch from building the dataset to defining the data collator to training the model If you re looking to fine tune a pretrained model including GPT 3 then Transformers for Natural Language Processing 2nd Edition shows you how with step by step guides The book investigates machine translations speech to text text to speech question answering and many more NLP tasks It provides techniques to solve hard language problems and may even help with fake news anxiety read chapter 13 for

more details You ll see how cutting edge platforms such as OpenAI have taken transformers beyond language into computer vision tasks and code creation using DALL E 2 ChatGPT and GPT 4 By the end of this book you ll know how transformers work and how to implement them and resolve issues like an AI detective What you will learn Discover new techniques to investigate complex language problems Compare and contrast the results of GPT 3 against T5 GPT 2 and BERT based transformers Carry out sentiment analysis text summarization casual speech analysis machine translations and more using TensorFlow PyTorch and GPT 3 Find out how ViT and CLIP label images including blurry ones and create images from a sentence using DALL E Learn the mechanics of advanced prompt engineering for ChatGPT and GPT 4 Who this book is for If you want to learn about and apply transformers to your natural language and image data this book is for you You ll need a good understanding of Python and deep learning and a basic understanding of NLP to benefit most from this book Many platforms covered in this book provide interactive user interfaces which allow readers with a general interest in NLP and AI to follow several chapters And don t worry if you get stuck or have questions this book gives you direct access to our AI ML community to help guide you on your transformers journey

Generative AI with LangChain Dr. Priyanka Singh, Hariom Singh, 2025-04-25

DESCRIPTION AI is redefining how businesses solve problems automate decisions and deliver value LangChain an emerging framework streamlines the integration of large language models into real world applications making AI more actionable and accessible Unlock the power of cutting edge AI with LangChain a revolutionary Python framework designed to simplify the creation of sophisticated AI applications This book begins with the foundational knowledge of AI and LangChain followed by practical tools like Python neural networks and cloud platforms such as AWS and Azure You will explore LangChain s architecture and gain hands on experience integrating LangChain with leading cloud platforms You will discover how to leverage powerful data science tools like Snowflake and Athena for real world AI projects You will analyze AI applications in modern operational frameworks such as DevOps and MLOps and gain insights into the exciting future trends ethical AI practices and real world deployment strategies that are shaping the evolution of AI and LangChain By the end of this book readers will confidently design develop and deploy intelligent AI applications using LangChain You will be equipped to solve real world problems through scalable cloud integrated AI systems with strong coding deployment and data handling skills

WHAT YOU WILL LEARN Understand AI fundamentals LangChain s architecture ethical AI and Python setup Master Python basics control structures functions and modules for AI development Explore LangChain s core components workflow and practical implementation in AI Apply AI including LangChain in DevOps and MLOps for automation and efficiency Explore future AI trends LangChain s evolving role and ethical considerations Integrate LangChain with AWS services for scalable AI deployment and management Utilize Snowflake and Athena with LangChain for real world data driven AI projects

WHO THIS BOOK IS FOR This book is ideal for software developers AI enthusiasts data scientists DevOps engineers and tech professionals aiming to gain practical skills in AI implementation using LangChain Educators and students in computer

science will also benefit from its hands on guidance

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9 Future Trends in AI and LangChain

APPENDIX

1 Additional Resources and References

APPENDIX 2

Glossary of Terms

Developing Apps with GPT-4 and ChatGPT Olivier Caelen, Marie-Alice Blete, 2023-08-29 This minibook is a comprehensive guide for Python developers who want to learn how to build applications with large language models Authors Olivier Caelen and Marie Alice Blete cover the main features and benefits of GPT 4 and ChatGPT and explain how they work You ll also get a step by step guide for developing applications using the GPT 4 and ChatGPT Python library including text generation Q A and content summarization tools Written in clear and concise language Developing Apps with GPT 4 and ChatGPT includes easy to follow examples to help you understand and apply the concepts to your projects Python code examples are available in a GitHub repository and the book includes a glossary of key terms Ready to harness the power of large language models in your applications This book is a must You ll learn The fundamentals and benefits of ChatGPT and GPT 4 and how they work How to integrate these models into Python based applications for NLP tasks How to develop applications using GPT 4 or ChatGPT APIs in Python for text generation question answering and content summarization among other tasks Advanced GPT topics including prompt engineering fine tuning models for specific tasks plug ins LangChain and more

Passive Income Mastery Subrat Gupta, 2025-07-30 Unlock the Future of Wealth Creation with Passive Income Mastery Are you ready to tap into the most advanced strategies for building passive income in the digital age Passive Income Mastery Unlocking Profits with AI Tools and Money Making Prompts is your ultimate guide to financial freedom revealing how anyone can harness artificial intelligence and smart automation to generate consistent profits This comprehensive book takes you step by step through modern passive income strategies with a strong focus on leveraging AI tools for content creation affiliate marketing e commerce investing and more Discover practical frameworks high impact money making prompts and real world case studies that demonstrate exactly how to create automate and scale your income streams without sacrificing your time Key features include How to select set up and use the best AI tools for passive income Proven prompt templates to maximize profits from chatbots writing and creative platforms Insider strategies for automating content social media affiliate marketing and e commerce Advanced guides for investing and multiplying revenue with AI driven systems Actionable roadmaps expert tips and common pitfalls to avoid for long term success Whether you re an entrepreneur freelancer or anyone seeking financial freedom this book provides the latest techniques and ethical practices for building wealth in the AI powered economy Start unlocking your earning potential and achieve true financial independence today

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 Generative AI with chatgpt prototype Mr. Nikhil Chaurasia, Dr. Gourav Shrivastava, Dr. Saket Jain, Prof. Urmila Mahor, 2024-07-08

Generative AI with ChatGPT A Comprehensive Guide delves into the transformative power of ChatGPT developed by OpenAI This book caters to enthusiasts professionals and scholars aiming to harness the potential of generative AI for diverse applications

Key Features

- Unveiling ChatGPT** Conversing with Superintelligence Explore the foundations of generative AI and the capabilities of ChatGPT Understand how it revolutionizes conversations and human AI collaboration and discover its broad applications
- Prompt Engineering and ChatGPT Plugins** Master prompt engineering to enhance ChatGPT's effectiveness This section covers the fundamentals advanced techniques and the use of ChatGPT plugins to customize its functionalities for specific needs
- ChatGPT for Productivity** Learn to leverage ChatGPT to boost productivity across various fields From mastering Excel and data science to creating content marketing plans and improving customer service this section provides practical insights for using ChatGPT in social media marketing SEO content generation email marketing and project management
- ChatGPT for Developers and Exploring ChatGPT API** A valuable resource for developers this section covers using ChatGPT for programming tasks debugging integrating features and documenting code Additionally it offers essential knowledge about APIs focusing on the OpenAI and ChatGPT API to seamlessly integrate ChatGPT into applications

This comprehensive guide is your gateway to understanding and utilizing the remarkable capabilities of ChatGPT

c't Working with AI c't-Redaktion, 2024-01-24 The special issue of c't KI Praxis provides tests and practical instructions for working with chatbots It explains why language models make mistakes and how they can be minimised This not only helps when you send questions and orders to one of the chatbots offered online If you do not want to or are not allowed to use the cloud services for data protection reasons for example you can also set up your own voice AI The c't editorial team explains where to find a suitable voice model how to host it locally and which service providers can host it The fact that generative AI is becoming increasingly productive harbours both opportunities and risks Suitable rules for the use of AI in schools training and at work help to exploit opportunities and minimise risks

GPT-3 Sandra Kublik, Shubham Saboo, 2022-07-11 GPT 3 NLP with LLMs is a unique pragmatic take on Generative Pre trained Transformer 3 the famous AI language model launched by OpenAI in 2020 This

model is capable of tackling a wide array of tasks like conversation text completion and even coding with stunningly good performance Since its launch the API has powered a staggering number of applications that have now grown into full fledged startups generating business value This book will be a deep dive into what GPT 3 is why it is important what it can do what has already been done with it how to get access to it and how one can build a GPT 3 powered product from scratch This book is for anyone who wants to understand the scope and nature of GPT 3 The book will evaluate the GPT 3 API from multiple perspectives and discuss the various components of the new burgeoning economy enabled by GPT 3 This book will look at the influence of GPT 3 on important AI trends like creator economy no code and Artificial General Intelligence and will equip the readers to structure their imaginative ideas and convert them from mere concepts to reality

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