

openai/openai-python

#2143 OpenAI returns null stream



 5 comments



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Openai Compare Returns

Yi-Tong Ma



Openai Compare Returns:

Textual Intelligence Meenakshi Malik, Susheela Hooda, Preeti Sharma, 2025-09-03 The book is a must have resource for anyone looking to understand the complexities of generative AI offering comprehensive insights into LLMs effective training strategies and practical applications Textual Intelligence Large Language Models and Their Real World Applications provides an overview of generative AI and its multifaceted applications as well as the significance and potential of Large Language Models LLMs including GPT and LLaMA It addresses the generative AI project lifecycle challenges in existing data architectures proposed use case planning and scope definition model deployment and application integration Training LLMs data requirements for effective LLM training pre training and fine tuning processes and navigating computational resources and infrastructure are also discussed The volume delves into in context learning and prompt engineering offering strategies for crafting effective prompts techniques for controlling model behavior and output quality and best practices for prompt engineering Textual Intelligence Large Language Models and Their Real World Applications also discusses cost optimization strategies for LLM training aligning models to human values optimizing model architectures the power of transfer learning and fine tuning instruction fine tuning for precision and parameter efficient fine tuning PEFT with adapters such as LoRA QLoRA and soft prompts making it an essential guide for both beginners and industry veterans Readers will find this book Explores the real world potential of large language models Introduces industry changing AI solutions Provides advanced insights on AI and its models Audience Industry professionals academics graduate students and researchers seeking real world solutions using generative AI

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 Description Are 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

The Reinforcement Learning Workshop Alessandro Palmas,Emanuele Ghelfi,Dr. Alexandra Galina Petre,Mayur Kulkarni,Anand N.S.,Quan Nguyen,Aritra Sen,Anthony So,Saikat Basak,2020-08-18 Start with the basics of reinforcement learning and explore deep learning concepts such as deep Q learning deep recurrent Q networks and policy based methods with this practical guide Key FeaturesUse TensorFlow to write reinforcement learning agents for performing challenging tasksLearn how to solve finite Markov decision problemsTrain models to understand popular video games like BreakoutBook Description Various intelligent applications such as video games inventory management software warehouse robots and translation tools use reinforcement learning RL to make decisions and perform actions that maximize the probability of the desired outcome This book will help you to get to grips with the techniques and the algorithms for implementing RL in your machine learning models Starting with an introduction to RL you ll be guided through different RL environments and frameworks You ll learn how to implement your own custom environments and use OpenAI baselines to run RL algorithms Once you ve explored classic RL techniques such as Dynamic Programming Monte Carlo and TD Learning you ll understand when to apply the different deep learning methods in RL and advance to deep Q learning The book will even help you understand the different stages of machine based problem solving by using DQN on a popular video game Breakout Finally you ll find out when to use a policy based method to tackle an RL problem By the end of The Reinforcement Learning Workshop you ll be equipped with the knowledge and skills needed to solve challenging problems using reinforcement learning What you will learnUse OpenAI Gym as a framework to implement RL environmentsFind out how to define and implement reward functionExplore Markov chain Markov decision process and the Bellman equationDistinguish between Dynamic Programming Monte Carlo and Temporal Difference LearningUnderstand the multi armed bandit problem and explore various strategies to solve itBuild a deep Q model network for playing the video

game BreakoutWho this book is for If you are a data scientist machine learning enthusiast or a Python developer who wants to learn basic to advanced deep reinforcement learning algorithms this workshop is for you A basic understanding of the Python language is necessary *Perspectives in Business Informatics Research* Rébecca Deneckère, Marite Kirikova, Janis Grabis, 2025-09-09 This book constitutes the proceedings of the 24th International Conference on Perspectives in Business Informatics Research BIR 2025 which took place in Riga Latvia in September 2025 The central theme of BIR 2025 was Bridging Knowledge Process and Systems for Responsible Digital Transformation The 18 full papers and 5 short papers included in the proceedings were carefully reviewed and selected from 61 submissions They were organized in topical sections as follows Intelligent Decision Making and Data Management Human Factors and Well Being in Digital Systems Enterprise Architecture Modeling and Governing Adaptive Organizations Process Mining and Digital Twin Perspectives LLM and Generative AI in Modeling and Engineering Smart Life and Structuring Security for Responsible Digital Systems **Java for Programmers** Paul Deitel, Harvey M. Deitel, 2025-05-21 The professional programmer s Deitel guide to Java with integrated generative AI Written for programmers with a background in another high level language in Java for Programmers with Generative AI Fifth Edition you ll learn modern Java development hands on using the latest Java idioms and features and genAIs In the context of 200 real world code examples you ll quickly master Java fundamentals then move on to arrays strings regular expressions JSON CSV processing with the Jackson library private and public key cryptography classes inheritance polymorphism interfaces dependency injection exceptions generic collections custom generics functional programming with lambdas and streams JavaFX GUI graphics and multimedia platform threads virtual threads structured concurrency scoped values building API based Java genAI apps database with JDBC and SQLite the Java Platform Module System and JShell for Python like interactivity Features GenAI Prompt Engineering API Calls 600 GenAI Exercises ChatGPT Gemini Claude Perplexity Multimodal Text Code Images Audio Speech to Text Text to Speech Video Generics Collections Classes Methods Functional Programming Lambdas Streams JavaFX GUI Graphics Multimedia Concurrency Parallel Streams Virtual Threads Structured Concurrency Scoped Values Concurrent Collections Multi Core Database JDBC SQL SQLite Java Platform Module System JPMS Objects Natural Java API String BigInteger BigDecimal Date Time Cryptography ArrayList Regex JSON CSV Web Services JShell for Python Like Interactivity Want to stay in touch with the Deitels Contact the authors at deitel@deitel.com Join the Deitel social media communities [deitel.com linkedin](https://www.linkedin.com/company/deitel) [facebook.com](https://www.facebook.com/deitel) [DeitelFan instagram.com](https://www.instagram.com/DeitelFan) [DeitelFan x.com](https://www.x.com/DeitelFan) [deitel youtube.com](https://www.youtube.com/DeitelTV) [DeitelTV mastodon social deitel](https://www.mastodon.social/deitel) For source code and updates visit deitel.com/javafp5 Reviewer Comments The future of Java programming is here and this new edition of Deitel is leading the charge By embracing genAI head on the authors are potentially revolutionizing programming education Through its integrative approach to the use and study of genAI this book is positioned to be the leading book in modern Java and its applications Indeed I expect that it should be widely adopted by instructors who want to ingrain in their students an appreciation for the

critical role that Java will play in data science machine learning artificial intelligence and cybersecurity The book s innovative and forward thinking use of genAI facilitates reader engagement and inspires readers to think critically about the benefits and limitations of AI as a programming aid Chapter 19 could become everyone s favorite new Java book chapter the generative AI API based code examples are interesting and fun All audiences of this book should read the Preface there s so much to get excited about It demonstrates with refreshing transparency and honesty how much love and care went into the reinvention of an already outstanding Java book by bringing it into a new frontier of what it means to be a programmer in today s world Bravo Your Preface statement GenAI has created an ultra high level programming capability that will leverage your Java learning experience and ability to produce robust top quality Java software quickly conveniently and economically is a great conclusion to the Preface intro really helps justify the use of genAI Brian Canada Professor of Computational Science University of South Carolina Beaufort After reading your whole book it was fun to read the Preface that wraps everything up at a high level You have done some amazing work here and I m glad to have been a small part of it as a reviewer I especially appreciate how difficult it must have been to make sure everything was as up to date as possible with the speed at which things change in this field and the deftness with which you incorporated all the focus on GenAI and data science that s in this book Emily Navarro Ph D Continuing Lecturer Department of Informatics University of California Irvine The generative AI exercises are awesome and reflect the way modern developers work They are fun and let the reader explore and learn about AI by using AI how meta This allows readers to expand their knowledge and get a feel for the AI s code related capabilities Jeanne Boyarsky CodeRanch Java Champion Register your book for convenient access to downloads updates and or corrections as they become available See inside book for details Note eBooks are 4 color and print books are black and white

The Developer's Playbook for Large Language Model Security Steve Wilson, 2024-09-03 Large language models LLMs are not just shaping the trajectory of AI they re also unveiling a new era of security challenges This practical book takes you straight to the heart of these threats Author Steve Wilson chief product officer at Exabeam focuses exclusively on LLMs eschewing generalized AI security to delve into the unique characteristics and vulnerabilities inherent in these models Complete with collective wisdom gained from the creation of the OWASP Top 10 for LLMs list a feat accomplished by more than 400 industry experts this guide delivers real world guidance and practical strategies to help developers and security teams grapple with the realities of LLM applications Whether you re architecting a new application or adding AI features to an existing one this book is your go to resource for mastering the security landscape of the next frontier in AI You ll learn Why LLMs present unique security challenges How to navigate the many risk conditions associated with using LLM technology The threat landscape pertaining to LLMs and the critical trust boundaries that must be maintained How to identify the top risks and vulnerabilities associated with LLMs Methods for deploying defenses to protect against attacks on top vulnerabilities Ways to actively manage critical trust boundaries on your systems to ensure secure

execution and risk minimization 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 Keras Reinforcement Learning Projects Giuseppe Ciaburro, 2018-09-29 A practical guide to mastering reinforcement learning algorithms using Keras Key Features Build projects across robotics gaming and finance fields putting reinforcement learning RL into action Get to grips with Keras and practice on real world unstructured datasets Uncover advanced deep learning algorithms such as Monte Carlo Markov Decision and Q learning Book Description Reinforcement learning has evolved a lot in the last couple of years and proven to be a successful technique in building smart and intelligent AI networks Keras Reinforcement Learning Projects installs human level performance into your applications using algorithms and techniques of reinforcement learning coupled with Keras a faster experimental library The book begins with getting you up and running with the concepts of reinforcement learning using Keras You ll learn how to simulate a random walk using Markov chains and select the best portfolio using dynamic programming DP and Python You ll also explore projects such as forecasting stock prices using Monte Carlo methods delivering vehicle routing application using Temporal Distance TD learning algorithms and balancing a Rotating Mechanical System using Markov decision processes Once you ve understood the basics you ll move on to Modeling of a Segway running a robot control system using deep reinforcement learning and building a handwritten digit recognition model in Python using an image dataset Finally you ll excel in playing the board game Go with the help of Q Learning and reinforcement learning algorithms By the end of this book you ll not only have developed hands on training on concepts algorithms and techniques of reinforcement learning but also be all set to explore the world of AI What you will learn Practice the Markov decision process in prediction and betting evaluations Implement Monte Carlo methods to forecast environment behaviors Explore TD learning algorithms to manage warehouse operations Construct a Deep Q Network using Python and Keras to control robot movements Apply reinforcement concepts to build a handwritten digit recognition model using an image dataset Address a game theory problem using Q Learning and OpenAI Gym Who this book is for Keras Reinforcement Learning Projects is for you if you are data scientist machine learning developer or AI engineer who wants to understand the

fundamentals of reinforcement learning by developing practical projects Sound knowledge of machine learning and basic familiarity with Keras is useful to get the most out of this book *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

Fundamentals of Deep Learning Nikhil Buduma,Nicholas Locascio,2017-05-25 With the reinvigoration of neural networks in the 2000s deep learning has become an extremely active area of research one that's paving the way for modern machine learning In this practical book author Nikhil Buduma provides examples and clear explanations to guide you through major concepts of this complicated field Companies such as Google Microsoft and Facebook are actively growing in-house deep learning teams For the rest of us however deep learning is still a pretty complex and difficult subject to grasp If you're familiar with Python and have a background in calculus along with a basic understanding of machine learning this book will get you started Examine the foundations of machine learning and neural networks Learn how to train feed forward neural networks Use TensorFlow to implement your first neural network Manage problems that arise as you begin to make networks deeper Build neural networks that analyze complex images Perform effective dimensionality reduction using autoencoders Dive deep into sequence analysis to examine language Learn the fundamentals of reinforcement learning **Building Agentic AI Systems** Anjanava Biswas,Wrick Talukdar,2025-04-21 Master the art of building AI agents with large language models using the coordinator worker and delegator approach for orchestrating complex AI systems Free with your book PDF Copy AI Assistant and Next Gen Reader Key Features Understand the foundations and advanced techniques of building intelligent autonomous AI agents Learn advanced techniques for reflection introspection tool use planning and collaboration in agentic systems Explore crucial aspects of trust safety and ethics in AI agent development and applications Book Description Gain unparalleled insights into the future of AI autonomy with this comprehensive guide to designing and deploying autonomous AI agents that leverage generative AI GenAI to plan reason and act Written by industry leading AI

architects and recognized experts shaping global AI standards and building real world enterprise AI solutions it explores the fundamentals of agentic systems detailing how AI agents operate independently make decisions and leverage tools to accomplish complex tasks Starting with the foundations of GenAI and agentic architectures you ll explore decision making frameworks self improvement mechanisms and adaptability The book covers advanced design techniques such as multi step planning tool integration and the coordinator worker and delegator approach for scalable AI agents Beyond design it addresses critical aspects of trust safety and ethics ensuring AI systems align with human values and operate transparently Real world applications illustrate how agentic AI transforms industries such as automation finance and healthcare With deep insights into AI frameworks prompt engineering and multi agent collaboration this book equips you to build next generation adaptive scalable AI agents that go beyond simple task execution and act with minimal human intervention What you will learn Master the core principles of GenAI and agentic systems Understand how AI agents operate reason and adapt in dynamic environments Enable AI agents to analyze their own actions and improvise Implement systems where AI agents can leverage external tools and plan complex tasks Apply methods to enhance transparency accountability and reliability in AI Explore real world implementations of AI agents across industries Who this book is for This book is ideal for AI developers machine learning engineers and software architects who want to advance their skills in building intelligent autonomous agents It s perfect for professionals with a strong foundation in machine learning and programming particularly those familiar with Python and large language models While prior experience with generative AI is beneficial the book covers foundational concepts for those new to agentic systems

UX for Enterprise ChatGPT Solutions Richard H.

Miller,2024-09-06 Create engaging AI experiences by mastering ChatGPT for business and leveraging user interface design practices research methods prompt engineering the feeding lifecycle and more Key Features Learn in demand design thinking and user research techniques applicable to all conversational AI platforms Measure the quality and evaluate ChatGPT from a customer s perspective for optimal user experience Set up and use your secure private data documents and materials to enhance your ChatGPT models Purchase of the print or Kindle book includes a free PDF eBook Book Description Many enterprises grapple with new technology often hopping on the bandwagon only to abandon it when challenges emerge This book is your guide to seamlessly integrating ChatGPT into enterprise solutions with a UX centered approach UX for Enterprise ChatGPT Solutions empowers you to master effective use case design and adapt UX guidelines through an engaging learning experience Discover how to prepare your content for success by tailoring interactions to match your audience s voice style and tone using prompt engineering and fine tuning For UX professionals this book is the key to anchoring your expertise in this evolving field Writers researchers product managers and linguists will learn to make insightful design decisions You ll explore use cases like ChatGPT powered chat and recommendation engines while uncovering the AI magic behind the scenes The book introduces a and feeding model enabling you to leverage feedback and

monitoring to iterate and refine any Large Language Model solution Packed with hundreds of tips and tricks this guide will help you build a continuous improvement cycle suited for AI solutions By the end you ll know how to craft powerful accurate responsive and brand consistent generative AI experiences revolutionizing your organization s use of ChatGPT What you will learn Align with user needs by applying design thinking to tailor ChatGPT to meet customer expectations Harness user research to enhance chatbots and recommendation engines Track quality metrics and learn methods to evaluate and monitor ChatGPT s quality and usability Establish and maintain a uniform style and tone with prompt engineering and fine tuning Apply proven heuristics by monitoring and assessing the UX for conversational experiences with trusted methods Refine continuously by implementing an ongoing process for chatbot and feeding Who this book is for This book is for user experience designers product managers and product owners of business and enterprise ChatGPT solutions who are interested in learning how to design and implement ChatGPT 4 solutions for enterprise needs You should have a basic to intermediate level of understanding in UI UX design concepts and fundamental knowledge of ChatGPT 4 and its capabilities

ChatGPT for Conversational AI and Chatbots Adrian Thompson, 2024-07-30 Explore ChatGPT technologies to create state of the art chatbots and voice assistants and prepare to lead the AI revolution Key Features Learn how to leverage ChatGPT to create innovative conversational AI solutions for your organization Harness LangChain and delve into step by step LLM application development for conversational AI Gain insights into security privacy and the future landscape of large language models and conversational AI Purchase of the print or Kindle book includes a free PDF eBook Book Description ChatGPT for Conversational AI and Chatbots is a definitive resource for exploring conversational AI ChatGPT and large language models This book introduces the fundamentals of ChatGPT and conversational AI automation You ll explore the application of ChatGPT in conversation design the use of ChatGPT as a tool to create conversational experiences and a range of other practical applications As you progress you ll delve into LangChain a dynamic framework for LLMs covering topics such as prompt engineering chatbot memory using vector stores and validating responses Additionally you ll learn about creating and using LLM enabling tools monitoring and fine tuning LangChain UI tools such as LangFlow and the LangChain ecosystem You ll also cover popular use cases such as using ChatGPT in conjunction with your own data Later the book focuses on creating a ChatGPT powered chatbot that can comprehend and respond to queries directly from your unique data sources The book then guides you through building chatbot UIs with ChatGPT API and some of the tools and best practices available By the end of this book you ll be able to confidently leverage ChatGPT technologies to build conversational AI solutions What you will learn Gain a solid understanding of ChatGPT and its capabilities and limitations Understand how to use ChatGPT for conversation design Discover how to use advanced LangChain techniques such as prompting memory agents chains vector stores and tools Create a ChatGPT chatbot that can answer questions about your own data Develop a chatbot powered by ChatGPT API Explore the future of conversational AI LLMs and ChatGPT alternatives Who this book is for This book is for

tech savvy readers conversational AI practitioners engineers product owners business analysts and entrepreneurs wanting to integrate ChatGPT into conversational experiences and explore the possibilities of this game changing technology Anyone curious about using internal data with ChatGPT and looking to stay up to date with the developments in large language models will also find this book helpful Some expertise in coding and standard web design concepts would be useful along with familiarity with conversational AI terminology though not essential

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

The Uncanny Muse David Hajdu, 2025-02-04 One of Literary Hub s Most Anticipated Books of 2025 An acclaimed critic journalist and songwriter musician tells the story of art s relation to machines from the Baroque period to the age of AI What does it mean to be human in a world where machines too can be artists The Uncanny Muse explores the history of automation in the arts and delves into one of the most momentous and controversial aspects of AI artificial creativity The adoption of technology and machinery has long transformed the world but as the potential for artificial intelligence expands David Hajdu examines the new increasingly urgent questions about technology s role in culture From the life size mechanical doll that made headlines in Victorian London to the doll s modern AI pop star counterpart Hajdu traces the fascinating varied ways in which inventors and artists have sought to emulate mental processes and mechanize creative production For decades machines and artists have engaged in expressing the human condition along with the condition of living with machines through player pianos broadcasting

technology electric organs digital movie effects synthesizers and motion capture By communicating and informing human knowledge the machines have exerted considerable influence on the history of art and often more influence than humans have been willing to recognize As Hajdu proclaims before machine learning there was machine teaching With thoughtful wide ranging and surprising turns from Berry Gordy and George Harrison to Andy Warhol and Stevie Wonder David Hajdu takes a novel and contrarian approach he sees how machines through the ages have enabled creativity not stifled it and The Uncanny Muse sees no reason why this shouldn't be the case with AI today

Smart and Innovative Trends in Next Generation Computing Technologies Pushpak Bhattacharyya, Hanumat G. Sastry, Venkatadri Marriboyina, Rashmi Sharma, 2018-06-08 The two volume set CCIS 827 and 828 constitutes the thoroughly refereed proceedings of the Third International Conference on Next Generation Computing Technologies NGCT 2017 held in Dehradun India in October 2017 The 135 full papers presented were carefully reviewed and selected from 948 submissions There were organized in topical sections named Smart and Innovative Trends in Communication Protocols and Standards Smart and Innovative Trends in Computational Intelligence and Data Science Smart and Innovative Trends in Image Processing and Machine Vision Smart Innovative Trends in Natural Language Processing for Indian Languages Smart Innovative Trends in Security and Privacy

Business Case Studies with Management lessons -Volume 1 Dr. Sanjeevni Gangwani, 2025-05-12 This book is very useful for teaching any management course through case studies Cases are written in a very simple language so that all students at the graduate level post graduate level can understand its application Case studies are very important to be taken for teaching management in any type of course as it immerses students in real world scenarios fostering critical thinking problem solving and decision making skills while also bridging the gap between theory and practice Case studies present complex real life situations or problems that managers have faced allowing students to analyze discuss and propose solutions They encourage active participation and engagement moving beyond passive learning by placing students in the role of decision makers The emphasis is on the analytical process and the reasoning behind decisions rather than solely on finding a correct answer Case studies can encompass various management disciplines allowing for a holistic understanding of organizational challenges They are a form of problem based learning where students learn by grappling with real world problems There are various benefits of using case studies in teaching management courses Case studies enhance critical thinking analytical abilities communication skills and interpersonal skills Students practice making decisions under pressure weighing different options and understanding the consequences of their choices They bridge the gap between theory and practice allowing students to apply their knowledge to real world scenarios The real world nature of case studies makes learning more engaging and relevant for students Case studies encourage open discussion and debate fostering a collaborative learning environment Successfully navigating complex case studies can build students confidence in their abilities as future managers This book consists of diverse case studies related to various sectors It also includes the case objective overview of company summary

and conclusion and questions for discussion I hope management faculty in all types of business school worldwide will find this comprehensive book on business case studies very helpful for class room teaching group discussions and even for giving assignment to students for internal assessment I wish you all a happy learning process and I hope all my efforts in compiling varied cases will contribute for better management learning and student engagement

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

Azure for Developers Kamil Mrzygłód, 2025-07-30 Advance your development career by mastering

Microsoft Azure's latest tools and technologies to enhance existing applications and build powerful cloud native solutions

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- Design powerful workflows with both low code and full code approaches
- Enhance applications with AI and machine learning components

Who this book is for

This book is for cloud developers and engineers building applications with Microsoft Azure as well as those looking to begin a career in Azure development

While a basic understanding of programming concepts is recommended the book covers both basic and advanced ideas and solutions making it valuable for beginners and experienced developers looking to enhance their skills

Building an Application Development Framework

Ivan Padabed, Roman Voronin, 2025-09-30

Craft powerful reusable frameworks to streamline your software development process and boost team efficiency

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