Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203)

Category: AI, Data & Analytics | **Vendor:** Trivera Tech

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Welcome to the®Leveraging OpenAI for Enterprise Solutions / AI for Business Boot Camp, a four-day immersive course that explores the exciting opportunities OpenAI provides for improving business processes and creating innovative, AI-driven applications. Throughout the course, you'll learn to directly apply these new technologies to real-world situations, improving your organization's operations and creating new business opportunities.®

About This Course

Welcome to the Leveraging OpenAI for Enterprise Solutions / AI for Business Boot Camp, a four-day immersive course that explores the exciting opportunities OpenAI provides for improving business processes and creating innovative, AI-driven applications. Throughout the course, you'll learn to directly apply these new technologies to real-world situations, improving your organization's operations and creating new business opportunities. From enhancing customer service with automated voice commands to developing AI-driven applications, you'll acquire a set of powerful, versatile tools that have immediate, practical implications.

Throughout the course, guided by our engaging AI expert instructor, you'll gain mastery over OpenAI's large language models (LLMs), the OpenAI API (Python flavor), and GPT-3 & 4 Prompt Engineering for Business Class NLP. You'll work with OpenAI Whisper's enterprise-strength speech recognition capabilities, providing you with the know-how to implement it in your business operations. You'll also gain practical experience using the OpenAI Embedding API for searching vast arrays of documents, creating user-friendly front ends for OpenAI ChatGPT and Dall-E2 Apps, and integrating voice commands and live transcription into your applications. You'll also learn the invaluable skill of how to develop an industry-specific advisor or

consultant using GPT embeddings, ensuring you can create tailored AI solutions for your organization.

You'll exit the class not only with a solid understanding of OpenAI tools and capabilities, but also the confidence to apply them effectively within your organization. On completion, you'll have a deep understanding of OpenAI tools and capabilities and be confident in applying them within your organization. From building a GPT model using private business data to creating a comprehensive GPT application, you'll be ready to use your newly acquired AI skills to drive significant improvements in your organization, navigate the evolving field of AI, and take on the future of business with confidence.

Who Should Attend

This intermediate and beyond level course is designed for experienced developers, data scientists, and business intelligence professionals looking to leverage OpenAI technologies for business applications.

Technical skills are required.

Prerequisites & Entry Requirements

General Prerequisites:

This course is highly technical in nature. In order to gain the most from attending you should possess the following incoming
skills:

- Basic working knowledge of Python programming, including data structures, control flow, and functions.
- Python programming experience (Python syntax and constructs, experience with NumPy and Pandas)
- Basic understanding of artificial intelligence and machine learning principles
- Understanding the basic principles of APIs, including how to make API calls and handle responses, is essential as the
course includes hands-on sessions with the OpenAI API.
- Given that the course involves working with large language models (LLMs) and creating NLP applications, some prior
exposure to NLP concepts would be beneficial.
- Experience in developing, testing, and deploying software applications can help participants understand the process of
integrating AI capabilities into practical business applications.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Working in an interactive learning environment, led by our engaging AI expert you'll:
- Develop a robust understanding of OpenAI and its large language models (LLMs), along with their potential implications and applications within the business landscape.
- Gain proficiency in the OpenAI API (Python flavor) to harness its capabilities effectively and efficiently for real-world tasks and projects.
- Master Enterprise Strength Speech Recognition with OpenAI Whisper, learning how to integrate this powerful tool into business processes and overcome any associated challenges.
- Learn to utilize the OpenAI Embedding API for effective searching within massive collections of business and legal
documents, enhancing efficiency and productivity.
- Understand and implement the design and creation of user-friendly front-ends for AI applications, such as OpenAI
ChatGPT and Dall-E2 Apps, focusing on user experience and integration.
- Acquire the skills to build an industry-specific advisor or consultant using GPT embeddings, customizing and optimizing this tool to suit your organization's specific needs and challenges.

Detailed Course Outline

Day 1

OpenAI and LLMs for Business Overview

Introduction to OpenAI and its large language models (LLMs)

Understanding the business implications of LLMs

Identifying potential use-cases in your industry

Enterprise Strength Speech Recognition (with OpenAI Whisper)

An introduction to Whisper and its capabilities

Implementing Whisper for speech recognition tasks

Overcoming challenges and ensuring accuracy

OpenAI API (Python Flavor)

Understanding the OpenAI API and how to leverage it using Python

Coding sessions to understand API calls and responses

Error handling and optimization techniques

OpenAI GPT-3 & 4 Prompt Engineering for Business Class NLP

Introduction to GPT-3 & GPT-4, and understanding their functionalities

Learning prompt engineering for business class natural language processing

Hands-on: Building simple NLP applications using GPT-3 & 4

Day 2

OpenAI Embedding API (Searching Massive Collections of Business and Legal Documents)

Detailed overview of OpenAI's Embedding API

Strategies for efficient document search in large datasets

Hands-on: Implementing a document search engine for business and legal documents

Build a Front End for OpenAI ChatGPT and Dall-E2 Apps

Designing and implementing user-friendly front-ends for AI applications

Integrating ChatGPT and Dall-E2 into business applications

User experience considerations for AI-powered apps

Voice Commands and Live Transcription

Understanding the technology behind voice commands and live transcription

Implementing these features into your applications

Ensuring accuracy and handling potential errors

Day 3

Build an Industry Specific Advisor / Consultant using GPT Embeddings

Understanding GPT embeddings and their use-cases

Developing an industry-specific advisor or consultant using GPT embeddings

Strategies for customization and optimization

AI in Your World: Reserved for Additional Topics and Q&A

An open session for discussing additional topics of interest

Interactive Q&A to address any queries or challenges encountered

Voice Cloning with GPT Embeddings

Introduction to voice cloning technology

Using GPT embeddings for voice cloning

Ethical considerations and potential business applications

Day 4

Build a GPT model with Private Business Data

Strategies for training GPT models with private data

Ensuring data privacy and security

Hands-on: Building a GPT model using business-specific data

End to End GPT App with Private Business Data

Combining the skills learned to develop an end-to-end GPT application

Deploying and maintaining your application

Potential challenges and troubleshooting tips

Additional Course Details

Nexus Humans Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward. This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203)?

Yes, we provide corporate training, dedicated training, and closed classes for Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AI; Machine Learning; OpenAI

Q: Why choose Nexus Human for Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Leveraging OpenAI for Enterprise Solutions Boot Camp (Business Focused / Intermediate) (TTAI2203) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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