Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333)

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

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Immerse yourself in the transformative world of AI with the®Azure AI Boot Camp for Technical Users. This intensive, three-day program, designed for technical professionals new to Azure and AI, offers an exceptional opportunity to harness AI's capabilities. From interpreting images and text to decoding speech and developing decision support systems, you'll cultivate a dynamic skillset that translates into actionable improvements for your organization and increases the efficiency of your day-to-day tasks.®

About This Course

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Guided by our expert Azure AI instructor, you'll gain modern hands-on skills using innovative tools to implement practical AI solutions at your workplace, resulting in smarter applications and improved operational efficiency. Throughout the course you'll explore key aspects of Azure AI, including Azure AI services, Azure Cognitive Services, Azure Machine Learning, Azure Bot Services, Azure Data Science and Analytics, and Azure AI for various applications such as Vision, Language, Speech and Voice, and Decision Support.

You'll get to experiment with the Azure AI toolbox, gaining hands-on experience creating and managing machine learning experiments, building intelligent chatbots, implementing big data analytics and more. You'll exit this course with a solid understanding of Azure AI, how to leverage it for real-world use and application, and the confidence to apply these skills on the job.

Who Should Attend

This Intermediate level course is geared for experienced technical users new to AI and Azure. Roles would include but not be limited to software engineers, developers, data analysts, IT professionals, and system administrators who are looking to learn Azure and add AI capabilities to their skillset. Attendees will build on their experience while learning and developing new skills related to Azure AI, but they don't need to have extensive prior knowledge of AI or Azure to attend.

Prerequisites & Entry Requirements

General Prerequisites:

A basic understanding of general IT concepts such as databases, servers, and networks would help attendees to grasp the concepts and functionalities of Azure AI services more effectively.

Basic familiarity with any programming language can be beneficial when understanding the workflow of AI solutions, but you don®®t need to be a programmer to attend.

Knowledge of basic data analysis concepts such as data cleaning, data manipulation, and understanding of data types will be helpful, particularly in the sections related to machine learning and data analytics.

Learning Outcomes

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

This course combines engaging instructor-led presentations and useful demonstrations with valuable hands-on labs and engaging group activities. Throughout the course you'll learn how to:
-Understand the core concepts and tools of Azure AI services, and their significance in a business environment. This foundational knowledge will help you appreciate how AI can streamline operations and offer innovative solutions.
-Develop the ability to work with Azure Cognitive Services for tasks such as text analytics, speech recognition, and image analysis. These practical skills can enhance applications with rich, natural user experiences.
-Learn how to create, deploy, and monitor machine learning workflows in Azure. This hands-on understanding will allow you to harness the power of AI for predictive modelling and data analysis.
-Acquire the skills to build intelligent chatbots using Azure Bot Services and integrate them with natural language understanding. This ability can improve your organization's customer engagement and services.
-Gain proficiency in using Azure tools for data analysis, visualization, predictive modelling, and real-time analytics. These skills will empower you to draw valuable insights from big data and implement real-time decision-making processes.
-Familiarize yourself with the usage of Azure AI in various applications such as vision, language, speech and voice, and decision support. This knowledge will enable you to create diverse AI-powered solutions tailored to specific industry needs.

Detailed Course Outline

Introduction to Azure AI

Overview of Azure AI services and offerings

Understanding the benefits of Azure AI for businesses

Exploring the Azure AI ecosystem and tools

Lab

Azure Cognitive Services

Introduction to Azure Cognitive Services and its key features

Text analytics and natural language processing with Azure Cognitive Services

Speech recognition and synthesis using Azure Cognitive Services

Computer vision and image analysis with Azure Cognitive Services

Lab

Azure Machine Learning

Introduction to Azure Machine Learning and its components

Creating and managing machine learning experiments in Azure

Training and deploying machine learning models using Azure ML

Monitoring and scaling machine learning workflows in Azure ML

Lab

Azure Bot Services

Building intelligent chatbots with Azure Bot Services

Designing conversational experiences using Azure Bot Framework

Integrating Azure Bot Services with natural language understanding

Deploying and managing chatbots in Azure

Lab

Azure Data Science and Analytics

Exploratory data analysis and visualization with Azure tools

Building predictive models using Azure Machine Learning Studio

Implementing big data analytics with Azure HDInsight

Real-time analytics and stream processing with Azure Stream Analytics

Lab

Azure AI for Vision Applications

Image recognition and classification using Azure Custom Vision

Object detection and tracking with Azure Computer Vision

Building custom vision models with Azure Machine Learning

Implementing facial recognition and analysis with Azure Face API

Lab

Azure AI for Language Applications

Text classification and sentiment analysis using Azure Text Analytics

Language translation and localization with Azure Translator

Building language models with Azure Language Understanding

Entity recognition and named entity recognition using Azure NLP services

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Azure AI for Speech and Voice Applications

Speech-to-text transcription using Azure Speech Services

Voice synthesis and customization with Azure Speech Services

Implementing speech translation with Azure Speech Services

Developing voice-enabled applications with Azure AI services

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Azure AI for Decision Support

Implementing recommendation systems with Azure Personalizer

Anomaly detection and predictive maintenance using Azure AI

Forecasting and time series analysis with Azure Machine Learning

Building decision support systems using Azure AI services

Lab

Additional Course Details

Nexus Humans Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333) 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 Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333) 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 Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333)?

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 3-day Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333)?

Yes, we provide corporate training, dedicated training, and closed classes for Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333). 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; Azure

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Q: Why choose Nexus Human for Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333)?

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 Getting Started with Azure OpenAI Boot Camp for Technical Users: Unleash the Power of AI in Your Projects (TTAI2333) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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