Quick Start to Using Azure AI for Technical Users

Duration: *1 Day(s)*

Course Overview

Geared for technical professionals, Quick Start to Azure AI Basics for Technical Users is a fun, fast paced course designed to quickly get you up to speed with OpenAI's powerful tools and functionality, and to provide hands-on experience in setting up an OpenAI environment on Azure. Guided by our AI expert, you'll explore the capabilities of OpenAI's GPT-3, Whisper and DALL-E, and build a chatbot on Azure. It will provide you with the knowledge and resources to continue your journey in AI and machine learning and have a good understanding of the potential of OpenAI and Azure for your projects.

First, you'll dive into the world of OpenAI, learning about its products and the capabilities they offer. You'll also discover how Azure's offerings for AI and machine learning can complement OpenAI's tools and resources, providing you with a powerful combination for your projects. And don't worry if you're new to Azure, we'll walk you through the process of setting up an account and creating a resource group.

As you progress through the course, you'll get the chance to work with OpenAI's GPT-3, one of the most advanced large language models available today. You'll learn how to use the OpenAI API to access GPT-3 and discover how to use it to generate high-quality text quickly and easily. And that's not all, you'll also learn how to build a GPT-3 based chatbot on Azure, giving you the opportunity to implement advanced natural language processing capabilities in your chatbot projects.

The course will also cover OpenAI Whisper, an OpenAI tool that can improve the quality of text generation, allowing you to create more coherent and natural language content. And you will learn about OpenAI DALL-E, an OpenAI tool that can generate images, giving you the ability to create unique and engaging visuals to enhance your content and projects.

NOTE: Everyday business users who are less technical might consider the TTAI2001: Azure OpenAI for Business Users as an alternative.

Review this course online at https://www.alta3.com/courses/TTAI2330

Objectives

- Understand the capabilities and products of OpenAI and how to leverage them via the OpenAI API.
- Set up and configure an OpenAI environment on Azure for enhanced AI functionalities.
- Gain practical skills in building a GPT-3 based chatbot utilizing Azure for natural language processing.
- Explore and utilize Whisper and DALL-E to improve text and image generation in AI projects.

Who Should Attend

- Software Developers
- Data Scientists
- Marketing Professionals
- Finance Analysts
- Healthcare Technicians

Prerequisites

Take Before: You should have incoming skills aligned with the topics in the course(s) below, or should attend as a pre-requisite:

· TTPS4872 Python Primer for Data Science & Machine Learning (2 days) or

· TTPS4800: Introduction to Python Programming Basics (3 days)

Course Outline

Setting Up Your Azure AI Environment

1. Introduction to Azure AI
2. Creating an Azure Account
3. Setting Up Resource Groups
4. Configuring Azure Virtual Machines

OpenAI API and GPT-3

5. Overview of OpenAI's Capabilities
6. Accessing GPT-3 through OpenAI API
7. Generating High-Quality Text with GPT-3
8. Building a GPT-3 Based Chatbot on Azure

OpenAI Whisper and DALL-E

9. Introduction to OpenAI Whisper
10. Enhancing Text Generation with Whisper
11. Overview of DALL-E
12. Creating Images for Visual Content