

Getting Started with Azure AI & Azure OpenAI



Course Synopsis:

The Getting Started with Azure AI and Azure OpenAI course is intended for software developers wanting to build AI infused applications with Azure Cognitive Services and OpenAI. Solution architects and technical business decision makers involved in AI projects will also benefit from this course. The course covers key topics such as an overview of Artificial Intelligence, introduction to Azure Cognitive Services, OpenAI and utilizing pre-trained models, integrating Python with OpenAI, and customizing and fine-tuning Cognitive Services and OpenAI models for business applications.

Course Prerequisite:

It is highly recommended that participants are familiar with Microsoft Azure core services and basic Python Programming to appreciate this course.

Cost:

List price: S\$2,399 + GST per seat

Introductory offer (Jul to Sep classes): S\$1,800 per seat

Seats are limited. First come, first serve only.

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June Intake Promotion: Get 2 seats for the price of 1!

3 Days Immersive Class: June 26-28

Time: 9am – 5pm

Venue: NetAssist @ Tiong Bahru

COURSE OUTLINE

Module 1: Introduction to AI and Azure Cognitive Services

- Overview of Artificial Intelligence
- Introduction to Azure Cognitive Services
- Speech Recognition API
- Image Recognition API

Hands-on: Implementing Azure Cognitive Services

Module 2: OpenAI Fundamentals and Utilizing Pre-Trained Models

- Overview of OpenAI and its mission
- Fundamentals of OpenAI Technology
- Azure OpenAI Subscription and Application
- Introduction to Pre-Trained OpenAI Models and Their Applications
- Demonstration of Capabilities, including Answering Questions like a Search

Hands-on:

Utilizing Pre-Trained Models for Specific Tasks

Using OpenAI Models for Various Tasks

Module 3: Integrating Python with OpenAI

- Overview of Python Programming Language
- Explanation of Integrating Python with OpenAI

Hands-on: Implementing Python and OpenAI Tasks and Projects

Final Project: Customized Telegram Chatbot Development with OpenAI

Module 4: Customizing OpenAI for Business Applications

- Explanation of When Fine-Tuning is Necessary
- Overview of Fine-Tuning OpenAI Models with Custom Data
- Best Practices for Dataset Structure Preparation
- Overview of OpenAI Applications in Business
- Real-life Case Studies of OpenAI in Business

Hands-on: Fine-Tuning OpenAI

Group Discussion and Hands-on: Applying OpenAI in Business Contexts