

Azure AI Engineer Certification: Designing and Implementing an Azure AI Solution (AI-100)

Modality: Virtual Classroom

Duration: 3 Days

If you enroll in this course without the Master Subscription plan, you receive a Free Official Exam Voucher (excluding purchases using Training Vouchers / SATV) for the AI-100 Exam. This course does not include Exam Voucher if enrolled within the Master Subscription, however, you can request to purchase the **Official Exam Voucher** separately.

About this Course:

In the current economic setup where competition is reaching new heights every day, having an Azure engineering certification can guarantee that you will be in demand despite the high tides. An average Azure engineer can be expected to earn up to **\$122,883** per annum . This number only goes up with increased proficiency.

This course is designed to help Azure professionals learn how to create Azure AI solutions. Specifically this course deals with teaching candidates how to build a customer support chat Bot using artificial intelligence from the Microsoft Azure platform including language comprehension and pre-built AI functionality in the Azure Cognitive Services.

Course Objective:

Upon completion of this course, the participant should have an advanced skill set and a sound working knowledge of the following principals while also be able to;

- Gain an introductory knowledge of Azure Cognitive Services
- Learn how to enhance the quality of bots by adding a QnA maker.
- Gain the required knowledge to create language understanding functionality with LUIS.
- Learn how to enhance bots with LUIS
- Effectively gain the skill of integrating cognitive services with bots and agents

Audience:

This particular course is aimed at the following audience;

- Azure programmers and developers
- IT experts

Prerequisites:

The following prerequisites are absolutely necessary to be eligible to take this Microsoft Word 2019 course;

- A basic understanding of Azure
- A fundamental knowledge of Azures storage technologies
- A basic concept of C#

Course Outline:

Module 1: Introducing Azure Cognitive Services

The student will learn about the available Cognitive Services on Microsoft Azure and their role in architecting AI solutions.

Lessons

- Overview of Azure Cognitive Services
- Creating a Cognitive Service on the Azure Portal
- Access and Test a Cognitive Service

Module 2: Creating Bots

The student will learn about the Microsoft Bot Framework and Bot Services.

Lessons

- Introducing the Bot Service
- Creating a Basic Chat Bot
- Testing with the Bot Emulator

Module 3: Enhancing Bots with QnA Maker

The student will learn about the QnA Maker and how to integrate Bots and QnA Maker to build up a useful knowledge base for user interactions.

Lessons

- Introducing QnA Maker
- Implement a Knowledge Base with QnA Maker
- Integrate QnA with a Bot

Module 4: Learn How to Create Language Understanding Functionality with LUIS

The student will learn about LUIS and how to create intents and utterances to support a natural language processing solution.

Lessons

- Introducing Language Understanding
- Create a new LUIS Service
- Build Language Understanding with Intents and Utterances

Module 5: Enhancing Your Bots with LUIS

The student will learn about integrating LUIS with a Bot to better understand the users' intentions when interacting with the Bot.

Lessons

- Overview of language understanding for AI applications
- Integrate LUIS and Bot to create an AI-based solution

Module 6: Integrate Cognitive Services with Bots and Agents

The student will learn about integrating Bots and Agents with Azure Cognitive Services for advanced features such as sentiment analysis, image and text analysis, and OCR and object detection.

Lessons

- Understand Cognitive Services for Bot Interactions
- Perform Sentiment Analysis for your Bot with Text Analytics
- Detect Language in a Bot with the Language Cognitive Services
- Integrate Computer Vision with Bots