

# **AI-900T00: Microsoft Azure AI Fundamentals Training**

Duration: 1 Day

## **Course Content:**

AI-900T00: Microsoft Azure AI Fundamentals introduces professionals to the core Azure services, core concepts, security, trust and compliance, and Azure support and pricing. This technical course helps in gaining important knowledge and skills needed for developing Azure AI solutions by creating a customer support chatbot by using AI from the MS Azure platform, which includes pre-built functionality and language understanding in the Azure Cognitive Services. Our enterprise training program is best for large companies and organizations. It helps professionals develop a better understanding of Artificial Intelligence considerations and workloads and introductory principles of machine learning on Azure. They will also learn about the features of system vision workloads on Azure. This training program is ideal for Azure AI Engineers that utilizes Machine Learning, Cognitive Services, and Knowledge Mining to implement and architect MS AI solutions involving speech, language processing, bots, computer vision, and agents.

This training is designed based on the objectives of the course variant AI-900T00-A.

## **Prerequisites for this training**

The basic understanding of computers and regular utilizing web browser will be the advantage.

## **Who should attend this course?**

This course is intended for professionals having deep interest in gaining knowledge about diversified types of AI. However, any specific experience of Microsoft Azure is not needed when enrolling in this course. Professionals need to know about the fundamental knowledge of mathematics likewise interpret charts.

Additionally, the training covers hands-on activities evolving functioning with running and data codes. The basic knowledge of programming principles will be cooperative if you are seeking to sign up for this training.

## **What you will learn**

- Describing the features of conversational AI workloads on Microsoft Azure.
- Describing about the fundamental features of computer vision workloads on Microsoft Azure.
- Describing about Artificial Intelligence considerations and workloads.
- Describing in-depth functionalities about Natural Language Processing workloads on Azure.

## **Curriculum**

### **Module 1: Introduction to AI**

In this module, you'll learn about common uses of artificial intelligence (AI), and the different types of workloads associated with AI. You'll then explore considerations and principles for responsible AI development.

#### **Lesson**

- Artificial Intelligence in Azure
- Responsible AI

After completing this module, you will be able to

- Describe Artificial Intelligence workloads and considerations

### **Module 2: Machine Learning**

Machine learning is the foundation for modern AI solutions. In this module, you'll learn about some fundamental machine learning concepts, and how to use the Azure Machine Learning service to create and publish machine learning models.

#### **Lesson**

- Introduction to Machine Learning
- Azure Machine Learning

After completing this module, you will be able to

- Describe fundamental principles of machine learning on Azure

### **Module 3: Computer Vision**

Computer vision is the area of AI that deals with understanding the world visually, through images, video files, and cameras. In this module you'll explore multiple computer vision techniques and services.

#### **Lesson**

- Computer Vision Concepts
- Computer Vision in Azure

After completing this module, you will be able to

- Describe features of computer vision workloads on Azure

### **Module 4: Natural Language Processing**

This module describes scenarios for AI solutions that can process written and spoken language. You'll learn about Azure services that can be used to build solutions that analyze text, recognize, and synthesize speech, translate between languages, and interpret commands.

After completing this module, you will be able to

- Describe features of Natural Language Processing (NLP) workloads on Azure

### **Module 5: Conversational AI**

Conversational AI enables users to engage in a dialog with an AI agent, or \*bot\*, through communication channels such as email, webchat interfaces, social media, and others. This module describes some basic principles for working with bots and gives you an opportunity to create a bot that can respond intelligently to user questions.

#### **Lesson**

- Conversational AI Concepts
- Conversational AI in Azure

After completing this module, you will be able to

- Describe features of conversational AI workloads on Azure

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