**AI-900T00A Microsoft Certified: Azure AI Fundamentals**

* Demonstrate fundamental AI concepts related to the development of software and services of Microsoft Azure to create AI solutions.
* Module-1 Describe Artificial Intelligence workloads and considerations (15–20%)
  + Fundamental AI concepts
    - What is Artificial Intelligence?
    - Common AI workloads
    - Principles of responsible AI
  + Fundamentals of Azure AI services
    - Azure basics
    - AI services in Microsoft Azure
    - Explore Azure AI services
* Module-2 Describe fundamental principles of machine learning on Azure (20–25%)
  + Fundamentals of machine learning
    - What is machine learning?
    - Types of machine learning
    - Model training and evaluation
    - Deep Learning
    - What is Azure Machine Learning?
    - Demo: Explore Automated Machine Learning in Azure Machine Learning Studio
* Module-3 Describe features of computer vision workloads on Azure (15–20%)
  + Computer vision concepts
    - What is Azure AI Vision?
    - Applications of AI Vision
    - Azure AI services
  + Computer vision capabilities in Azure
    - Image Analysis with the AI Vision service
    - Detecting faces with the Face service
    - Reading text with optical character recognition
* Module-4 Describe features of Natural Language Processing (NLP) workloads on Azure (15–20%)
  + Natural Language Processing concepts
  + Natural Language Processing capabilities in Azure
  + Azure AI Document Intelligence
    - What is AI Document Intelligence?
    - Three types of AI Document Intelligence services
    - Analyzing specific forms with the AI Document Intelligence service
  + Azure AI Search
    - What is knowledge mining?
    - Three step process to creating a knowledge store with Azure AI Search
* Module-5 Describe features of generative AI workloads on Azure (15–20%)
  + Fundamentals of Generative AI
    - Understand generative AI's place in the development of artificial intelligence.
    - Understand large language models and their role in intelligent applications.
    - Describe how Azure OpenAI supports intelligent application creation.
    - Describe examples of copilots and good prompts.
  + Fundamentals of Azure OpenAI Service
    - Describe Azure OpenAI workloads and access the Azure OpenAI Service
    - Understand generative AI models
    - Understand Azure OpenAI's language, code, and image capabilities
  + Explore responsible Generative AI
    - Understand the four stages for a responsible generative AI solution