

Skills Measured

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Skills Measured

1. Describe Artificial Intelligence workloads and considerations (15–20%)

- Identify features of common AI workloads
 - Identify computer vision workloads
 - Identify natural language processing workloads
 - Identify document processing workloads
 - Identify features of generative AI workloads
- Identify guiding principles for responsible AI
 - Describe considerations for fairness in an AI solution
 - Describe considerations for reliability and safety in an AI solution
 - Describe considerations for privacy and security in an AI solution
 - Describe considerations for inclusiveness in an AI solution
 - Describe considerations for transparency in an AI solution
 - Describe considerations for accountability in an AI solution

2. Describe fundamental principles of machine learning on Azure (15–20%)

- Identify common machine learning techniques
 - Identify regression machine learning scenarios
 - Identify classification machine learning scenarios
 - Identify clustering machine learning scenarios
 - Identify features of deep learning techniques
 - Identify features of the Transformer architecture
- Describe core machine learning concepts
 - Identify features and labels in a dataset for machine learning
 - Describe how training and validation datasets are used in machine learning
- Describe Azure Machine Learning capabilities
 - Describe capabilities of automated machine learning
 - Describe data and compute services for data science and machine learning
 - Describe model management and deployment capabilities in Azure Machine Learning

3. Describe features of computer vision workloads on Azure (15–20%)

- Identify common types of computer vision solutions
 - Identify features of image classification solutions
 - Identify features of object detection solutions
 - Identify features of optical character recognition solutions
 - Identify features of facial detection and facial analysis solutions
- Identify Azure tools and services for computer vision tasks
 - Describe capabilities of the Azure AI Vision service
 - Describe capabilities of the Azure AI Face detection service

4. Describe features of Natural Language Processing (NLP) workloads on Azure (15–20%)

- Identify features of common NLP workload scenarios
 - Identify features and uses for key phrase extraction
 - Identify features and uses for entity recognition
 - Identify features and uses for sentiment analysis
 - Identify features and uses for language modeling
 - Identify features and uses for speech recognition and synthesis
 - Identify features and uses for translation

- Identify Azure tools and services for NLP workloads
 - Describe capabilities of the Azure AI Language service
 - Describe capabilities of the Azure AI Speech service
5. Describe features of generative AI workloads on Azure (20–25%)
- Identify features of generative AI solutions
 - Identify features of generative AI models
 - Identify common scenarios for generative AI
 - Identify responsible AI considerations for generative AI
 - Identify generative AI services and capabilities in Microsoft Azure
 - Describe features and capabilities of Azure AI Foundry
 - Describe features and capabilities of Azure OpenAI Service
 - Describe features and capabilities of Azure AI Foundry Model Catalog