

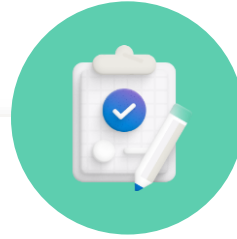
Thank you for attending this course

Here are some reminders



Celebrate your new skills

- Record your achievement
- Connect with us and your network



Let us know how we did

- Give us your feedback –
- Survey at upresenter.ai
- Code: **mFUDGi**



Become Microsoft Certified

- Explore additional resources to help prepare
- Schedule your exam (See Link Below)

<https://learn.microsoft.com/en-us/credentials/certifications/exams/ai-901/>

➔ Tag us social: **#4QLS**



What could be next in your learning journey?

After completing AI Fundamentals, you can continue your journey with several courses, including the AI-103 Certification: Azure AI Engineer Associate course.

Description

As a Microsoft Azure AI engineer, you build, manage, and deploy AI solutions that leverage Azure AI.

Your responsibilities may include participating in all phases of AI solutions development including requirements definition and design, development, deployment, integration, maintenance, performance tuning, and monitoring.

You may work with solution architects, data scientists, data engineers, Internet of Things (IoT) specialists, infrastructure administrators, and other software developers to:

- Build complete and secure end-to-end AI solutions.
- Integrate AI capabilities in other applications and solutions.

Topics covered

- Plan and manage an Azure AI solution
- Implement decision support solutions
- Implement computer vision solutions
- Implement natural language processing solutions
- Implement knowledge mining and document intelligence solutions
- Implement generative AI solutions

To complete the course, bring your experience developing solutions that use languages such as:

- Python
- C#

➔ Find more information about this course at: learn.microsoft.com/training/courses/browse



What could be next in your learning journey?

Another course to explore, especially to operationalize machine learning and generative AI solutions, take the AI-300: Operationalizing Machine Learning and Generative AI Solutions course.

Description

Your responsibilities for this role include:

- Designing and implementing MLOps infrastructure on Azure.
- Managing the machine learning model lifecycle and operations.
- Automating workflows with Git, GitHub Actions, and infrastructure as code.
- Designing and implementing GenAIOps infrastructure.
- Monitoring quality, safety, and observability of generative AI solutions.
- Optimizing generative AI systems for performance, reliability, and cost.

Topics covered

- Design and implement an MLOps infrastructure
- Implement machine learning model lifecycle and operations
- Design and implement a GenAIOps infrastructure
- Implement generative AI quality assurance and observability
- Optimize generative AI systems and model performance
- To complete the course, bring your experience operationalizing AI solutions with:
- Azure Machine Learning, Microsoft Foundry, Python, Git, and GitHub Actions

➔ Find more information about this course at: learn.microsoft.com/credentials/certifications/resources/study-guides/ai-300



Comparison Table (Memorize!!)

Category	Services / Components	What It Does	Level of Abstraction	Best For	Notes
Generative AI & Agents	Foundry Models	Foundation models (LLMs, SLMs, embeddings, vision models) for reasoning, generation, planning, multimodal tasks	Low	Custom agents, RAG, copilots, reasoning workflows	Raw intelligence layer
	Foundry Services	Packaged AI capabilities built on top of models (Vision, Speech, Language, Content Understanding)	High	Turnkey AI tasks without prompt engineering	Production-ready APIs
Text & Language	Azure Language	Sentiment, key phrases, summarization, classification, PII detection, Q&A, conversational language understanding	High	NLP pipelines, chatbots, text analytics	Uses LLMs + classical NLP
	Azure Translator	Neural machine translation across 100+ languages	High	Multilingual apps, localization	Specialized, fast, domain-adaptable
Computer Speech	Azure Speech	Speech-to-text, text-to-speech, speech translation, speaker recognition	High	Voice interfaces, call analytics, dictation	Multimodal audio pipeline
Computer Vision	Azure Vision	OCR, image analysis, video analysis, spatial analysis	High	Image/video understanding, detection, OCR	Classical + neural vision stack
	Azure Content Understanding	Multimodal extraction, classification, summarization across documents, images, video, audio	Very High	Unified ingestion, IDP, multimodal RAG, agent pipelines	Superset of Vision + Document Intelligence
Information Extraction	Document Intelligence	Form extraction, layout analysis, key-value extraction, structured document processing	High	IDP, forms, invoices, receipts	Brilliant at structured data
	Azure Content Understanding	Schema-driven extraction, grounding, multimodal ingestion	Very High	Enterprise ingestion, multimodal extraction	Powerful with unstructured data
	Azure Search (AI Search)	Semantic search, vector search, hybrid search, RAG retrieval	Medium	RAG, enterprise search, knowledge mining	Retrieval layer for agents



AI-901: Introduction to AI in Azure *Closing*

