

Azure AI Engineer Learning Pathway

www.aka.ms/pathways

Getting Started

Zero to hero in 4 weeks with Azure AI

A guide to achieving artificial intelligence expertise on Azure

DOWNLOAD



Audience Profile:

Software engineers concerned with building, managing and deploying AI solutions that leverage Azure AI Services, Azure AI Search, and Azure OpenAI. They are familiar with C# or Python and have knowledge on using REST-based APIs to build computer vision, language analysis, knowledge mining, intelligent search, and generative AI solutions on Azure.

- [New to AI on Azure? Check out our Azure AI Fundamentals certification](#)
- [Watch the Azure AI Essentials video series to get familiar with Azure AI products and services and learn how to bring these components together to build AI applications > HERE](#)
- [Choose a bot-building tool](#)
- [Computer Vision](#)
- [Cognitive Service for Language](#)
- [Azure Cognitive Services](#)
- [Speech service documentation](#)
- [Anomaly Detector API Documentation](#)

Microsoft Learn

Cognitive Services

- [What are Azure Cognitive Services?](#)
- [QuickStart: Create a Cognitive Services resource using the Azure portal](#)
- [Provision and manage Azure Cognitive Services](#)
- [Azure Cognitive Services – Privacy Policy](#)
- [Manage Cognitive Services keys](#)
- [Authenticate requests to Azure Cognitive Service](#)

Computer Vision

- [What is Computer Vision?](#)
- [Optical Character Recognition \(OCR\)](#)
- [What is the Ink Recognizer API?](#)
- [What is Form Recognizer?](#)
- [Cognitive Service Containers](#)
- [Process and classify images with the Azure Cognitive Vision Services](#)
- [QuickStart: Build a classifier with the Custom Vision website](#)
- [QuickStart: Build an object detector with the Custom Vision website](#)
- [Deploy a model to Azure Container Instances](#)

Natural Language

- [Process natural language with Azure Cognitive Language Services](#)
- [Process and Translate Speech with Azure Cognitive Speech Services](#)
- [What is the Translator service?](#)
- [How to extract key phrases using Text Analytics](#)
- [Sentiment analysis and Opinion Mining](#)
- [Tutorial: Extract structured data from user utterance with machine-learning entities in Language Understanding \(LUIS\)](#)

Natural Language

- [Batch testing with a set of example utterances](#)
- [Publish your active, trained app to a staging or production endpoint](#)
- [Deploy and run container on Azure Container Instance](#)

Knowledge Mining

- [Knowledge Mining Introduction](#)
- [Introduction to Azure Cognitive Search](#)
- [Implement knowledge mining](#)
- [Creating search indexes in Azure Cognitive Search](#)
- [Create Indexer \(Azure Cognitive Search REST API\)](#)
- [Autocomplete and Suggestions](#)
- [Synonyms in Azure Cognitive Search](#)
- [Security overview for Azure Cognitive Search](#)
- [Scale for performance on Azure Cognitive Search](#)
- [Data import overview – Azure Cognitive Search](#)

Conversational AI

- [Create conversational AI solutions](#)
- [QnA Maker – Overview](#)
- [Create a new QnA Maker service](#)
- [Plan your QnA Maker app](#)
- [Migrate a knowledge base using export-import](#)
- [Create a bot with Azure Bot Service](#)
- [Dialogs library](#)
- [Plan your QnA Maker app](#)

Role based Certification

AI-102 Azure AI Engineer

Skills Measured

- Plan and manage an Azure AI solution (15–20%)
- Implement decision support solutions (10–15%)
- Implement computer vision solutions (15–20%)
- Implement natural language processing solutions (30–35%)
- Implement knowledge mining and document intelligence solutions (10–15%)
- Implement generative AI solutions (10–15%)

Self Study:

- [Get started with Azure AI Services](#)
- [Develop decision support solutions with Azure AI Services](#)
- [Create computer vision solutions with Azure AI Vision](#)
- [Develop natural language processing solutions with Azure AI Services](#)
- [Implement knowledge mining with Azure Cognitive Search](#)
- [Develop solutions with Azure AI Document Intelligence](#)
- [Develop Generative AI solutions with Azure OpenAI Service](#)

Exam Study Guide

Course Page

Practice Assessment

Exam Page

30 Days to Learn it

Video on Demand

Azure AI Services Documentation

Azure OpenAI Service Documentation

Generative AI Learning Companion



Explore Applied Skills

AI & Machine Learning Blog