

KOENIG SOLUTIONS • COURSE OUTLINE

AI-3016: Develop Generative AI Apps in Azure

Learn to build, fine-tune and evaluate generative AI applications in Azure AI Foundry, from model catalog to responsible AI.

1 Day

8 HOURS

7

MODULES

24

TOPICS

COURSE OVERVIEW

This course covers Azure AI Foundry, exploring and deploying models from the model catalog, and using prompt flow to develop large language model applications. It covers building a retrieval-augmented generation agent with your own data and fine-tuning a language model, then evaluating the performance of generative AI apps. It closes with planning and operating responsible generative AI solutions, including identifying, measuring and mitigating potential harms.

WHO THIS COURSE IS FOR

AI Developers

Machine Learning Engineers

Solution Architects

Data Scientists

Responsible AI Practitioners

PREREQUISITES

- Familiarity with Azure AI Services and the Azure portal.

LEARNING OBJECTIVES

After completing this course, students will be able to:

- Understand and utilize models in the model catalog
- Use prompt flow to implement custom logic using your language model
- Implement RAG in Azure AI Foundry
- Understand and create a fine-tuned model
- Create responsible AI solutions with content filters
- Evaluate performance of custom prompt flows

7 Modules, 24 Topics

01

Introduction to Azure AI Foundry

TOPICS

What is Azure AI Foundry · How does Azure AI Foundry work · When to use Azure AI Foundry

02

Explore & Deploy Models from Model Catalog in Azure AI Foundry Portal

TOPICS

- Explore the language models in the model catalog
- Deploy a model to an endpoint
- Improve the performance of a language model

03

Get Started with Prompt Flow to Develop LLM Apps in Azure AI Foundry

TOPICS

- Understand the development lifecycle of a large language model (LLM) app
- Understand core components and explore flow types
- Explore connections and runtimes
- Explore variants and monitoring options

04

Build a RAG-based Agent with Your Own Data Using Azure AI Foundry

TOPICS

- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Azure AI Studio

05

Fine-tune a Language Model with Azure AI Foundry

TOPICS

- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Azure AI Studio

06

Evaluate the Performance of Generative AI Apps with Azure AI Foundry

TOPICS

- Assess the model performance
- Manually evaluate the performance of a model
- Assess the performance of your generative AI apps

07

Responsible Generative AI

TOPICS

Plan a responsible generative AI solution · Identify potential harms · Measure potential harms · Mitigate potential harms · Operate a responsible generative AI solution

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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