Develop generative AI apps in Azure (AI-3016)

Cursusduur: 1 Dag Cursuscode: M-AI3016 Trainingsmethode: Virtual Learning

Beschrijving:

Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.
Generative Artificial Intelligence (AI) is becoming more accessible through easy-to-use platforms like Azure AI Studio. Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.AI Engineers, Data Scientists, students having knowledge in AI and willing to create custom copilots with Azure AI.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Doelgroep:

AI Engineers, Data Scientists, students having knowledge in AI and willing to create custom copilots with Azure AI.

Doelstelling:

- **Students will learn:**
- Plan and prepare to develop AI solutions on AzureChoose and deploy models from the model catalog in Azure AI Foundry portalDevelop an AI app with the Azure AI Foundry SDK
- Get started with prompt flow to develop language model apps in the Azure AI foundry
- Develop a RAG-based solution with your own data using Azure AI FoundryFine-tune a language model with Azure AI FoundryImplement a responsible generative AI solution in Azure AI FoundryEvaluate generative AI performance in Azure AI Foundry portal

Cursusinhoud:

Module1: Plan and prepare to develop AI solutions on Azure

- What is AI?
- Azure AI services
- Azure AI Foundry
- Developer tools and SDKs
- Responsible AI
- Exercise - Prepare for an AI development project

Module 2: Choose and deploy models from the model catalog in Azure AI Foundry portalExplore the model catalog

- Deploy a model to an endpoint
- Optimize model performance
- Exercise - Explore, deploy, and chat with language models

Module 3 : Develop an AI app with the Azure AI Foundry SDK

- What is the Azure AI Foundry SDK?
- Work with project connections
- Create a chat client
- Exercise - Create a generative AI chat app

Module 4 : Get started with prompt flow to develop language model apps in the Azure AI FoundryUnderstand 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
- Exercise - Get started with prompt flow

Module 5: Develop a RAG-based solution with your own data using Azure AI FoundryUnderstand how to ground your language model

- Make your data searchable
- Create a RAG-based client application
- Implement RAG in a prompt flow
- Exercise - Create a generative AI app that uses your own data

Module 6: Fine-tune a language model with Azure AI FoundryUnderstand 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 Foundry portal
- Exercise - Fine-tune a language model

Module 7: Implement a responsible generative AI solution in Azure AI Foundry

- Plan a responsible generative AI solution
- Map potential harms
- Measure potential harms
- Mitigate potential harms
- Manage a responsible generative AI solution
- Exercise - Apply content filters to prevent the output of harmful content

Module 8: Evaluate generative AI performance in Azure AI Foundry portal

- Assess the model performance
- Manually evaluate the performance of a model
- Automated evaluations
- Exercise - Evaluate generative AI model performance

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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