

Develop natural language solutions in Azure (AI-3003)

Varighed: 1 Day Kursus Kode: M-AI3003 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

Natural language processing (NLP) solutions use language models to interpret the semantic meaning of written or spoken language. You can use the Language Understanding service to build language models for your applications.

Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

Agenda:

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| ■ In this course you'll learn: | ■ Custom named entity recognition |
| ■ Analyze text with Azure AI Language | ■ Translate text with Azure AI Translator service |
| ■ Create question answering solutions with Azure AI Language | ■ Create speech-enabled apps with Azure AI services |
| ■ Build a conversational language understanding model | ■ Translate speech with the Azure AI Speech service |
| ■ Create a custom text classification solution | ■ Develop an audio-enabled generative AI application |

Forudsætninger:

Before starting this course, you should already have:

- Familiarity with Azure and the Azure portal.
- Experience programming with C# or Python. If you have no previous programming experience, we recommend you complete the Take your first steps with C# or Take your first steps with Python learning path before starting this one.

Indhold:

Module 1: Analyze text with Azure AI Language

- Provision an Azure AI Language resource
- Detect language
- Extract key phrases
- Analyze sentiment
- Extract entities
- Extract linked entities

Module 2: Create question answering solutions with Azure AI Language

- Understand question answering
- Compare question answering to Azure AI Language understanding
- Create a knowledge base
- Implement multi-turn conversation
- Test and publish a knowledge base
- Use a knowledge base
- Improve question answering performance
- Exercise - Create a question answering solution

Module 3: Build a conversational language understanding model

- Understand prebuilt capabilities of the Azure AI Language service
- Understand resources for building a conversational language understanding model
- Define intents, utterances, and entities
- Use patterns to differentiate similar utterances
- Use pre-built entity components
- Train, test, publish, and review a conversational language understanding model
- Exercise - Build an Azure AI services conversational language understanding model

Module 4: Create a custom text classification solution

- Understand types of classification projects
- Understand how to build text classification projects
- Exercise - Classify text

Module 5: Custom named entity recognition

- Understand custom named entity recognition
- Label your data
- Train and evaluate your model
- Exercise - Extract custom entities

Module 6: Translate text with Azure AI Translator service

- Provision an Azure AI Translator resource
- Understand language detection, translation, and transliteration
- Specify translation options
- Define custom translations
- Exercise - Translate text with the Azure AI Translator service

Module 7: Create speech-enabled apps with Azure AI services

- Provision an Azure resource for speech
- Use the Azure AI Speech to Text API
- Use the text to speech API
- Configure audio format and voices
- Use Speech Synthesis Markup Language
- Exercise - Create a speech-enabled app

Module 8: Translate speech with the Azure AI Speech service

- Provision an Azure resource for speech translation
- Translate speech to text
- Synthesize translations
- Exercise - Translate speech

Module 9: Develop an audio-enabled generative AI application

- Deploy a multimodal model
- Develop an audio-based chat app
- Exercise - Develop an audio-enabled chat app

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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