



CURSO INTERNACIONAL

AI-900T00-A: Microsoft Azure AI Fundamentals



Clases en tiempo real



21 Académicas

Somos Partner



Microsoft



Acerca del Programa

En este curso, exploraremos las diversas herramientas y servicios que ofrece Microsoft Azure para desarrollar soluciones de inteligencia artificial. Desde el procesamiento del lenguaje natural hasta la visión artificial y el aprendizaje automático, aprenderemos cómo utilizar estas tecnologías para crear aplicaciones inteligentes y resolver problemas del mundo real.

→ Objetivos:

- Proporcionar una comprensión sólida de los conceptos básicos de la inteligencia artificial y sus aplicaciones.
- Introducir los servicios de visión por computadora de Azure y su aplicación en la interpretación y análisis de imágenes y videos.
- Explicar el procesamiento de lenguaje natural (NLP) y cómo utilizar los servicios de Azure para analizar y comprender textos.
- Presentar la inteligencia documental y la minería de conocimientos para extraer información valiosa de documentos y datos no estructurados.
- Explorar las capacidades y aplicaciones de la inteligencia artificial generativa.

→ Certificación:



Certificado de participación con validez internacional, a nombre de New Horizons Corporation

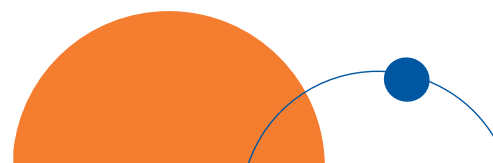


Certificado de participación con validez internacional, a nombre de Microsoft

→ Beneficios

- Acceso a laboratorios Microsoft durante 6 meses.
- Manual digital oficial Microsoft.
- Acceso para ingresar al curso por un año.

*Sujeto a la programación del año





01. Fundamental AI Concepts

- Introduction
- Understand machine learning
- Understand computer vision
- Understand natural language processing
- Understand document intelligence and knowledge mining
- Understand generative AI
- Challenges and risks with AI
- Understand Responsible AI
- Knowledge check
- Summary

02. Fundamentals of machine learning

- Introduction
- Machine learning
- Types of machine learning
- Regression
- Binary classification
- Multiclass classification
- Clustering
- Deep learning
- Azure Machine Learning
- Exercise - Explore Automated Machine Learning in Azure Machine Learning
- Knowledge check
- Summary

03. Fundamentals of Azure AI services

- Introduction
- AI services on the Azure platform
- Create Azure AI service resources
- Use Azure AI services
- Understand authentication for Azure AI services
- Exercise - Explore Azure AI Services
- Knowledge check
- Summary

04. Fundamentals of Computer Vision

- Introduction
- Images and image processing
- Machine learning for computer vision
- Azure AI Vision
- Exercise - Analyze images in Vision Studio
- Knowledge check
- Summary

05. Fundamentals of Facial Recognition

- Introduction
- Understand Face analysis
- Get started with Face analysis on Azure
- Exercise - Detect faces in Vision Studio
- Knowledge check
- Summary



06. Fundamentals of optical character recognition

- Introduction
- Get started with Azure AI Vision
- Get started with Vision Studio on Azure
- Exercise - Read text in Vision Studio
- Knowledge check
- Summary

07. Fundamentals of Text Analysis with the Language Service

- Introduction
- Understand Text Analytics
- Get started with text analysis
- Exercise - Analyze text with Language Studio
- Knowledge check
- Summary

08. Fundamentals of question answering with the Language Service

- Introduction
- Understand question answering
- Get started with the Language service and Azure Bot Service
- Exercise - Use question answering with Language Studio
- Knowledge check
- Summary

09. Fundamentals of conversational language understanding

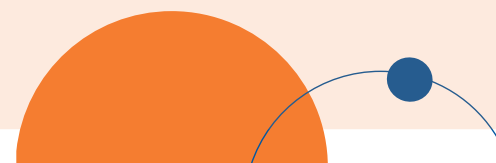
- Introduction
- Describe understanding
- Get started with conversational language understanding
- Exercise - Use Conversational Language Understanding with Language Studio
- Knowledge check
- Summary

10. Fundamentals of Azure AI Speech

- Introduction
- Understand speech recognition and synthesis
- Get started with speech on Azure
- Exercise - Explore Speech Studio
- Knowledge check
- Summary

11. Fundamentals of Azure AI Document Intelligence

- Introduction
- Explore capabilities of document intelligence
- Get started with receipt analysis on Azure
- Exercise - Extract from data in Document Intelligence Studio
- Knowledge check
- Summary





12. Fundamentals of Knowledge Mining and Azure AI Search

- Introduction
- What is Azure AI Search?
- Identify elements of a search solution
- Use a skillset to define an enrichment pipeline
- Understand indexes
- Use an indexer to build an index
- Persist enriched data in a knowledge store
- Create an index in the Azure portal
- Query data in an Azure AI Search index
- Exercise - Explore an Azure AI Search index (UI)
- Knowledge check
- Summary

13. Fundamentals of Generative AI

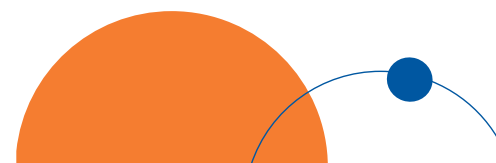
- Introduction
- What is generative AI?
- What are language models?
- Using language models
- What are copilots?
- Microsoft Copilot
- Considerations for Copilot prompts
- Extending and developing copilots
- Exercise - Explore Microsoft Copilot
- Knowledge check
- Summary

14. Fundamentals of Azure OpenAI Service

- Introduction
- What is generative AI
- Describe Azure OpenAI
- How to use Azure OpenAI
- Understand OpenAI's natural language capabilities
- Image generation capabilities
- Describe Azure OpenAI's access and responsible AI policies
- Exercise - Explore Azure OpenAI Service
- Knowledge check
- Summary

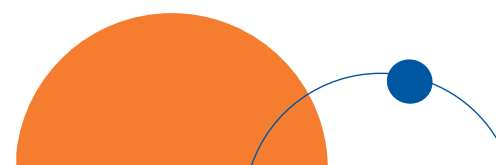
15. Fundamentals of Responsible Generative AI

- Introduction
- Plan a responsible generative AI solution
- Identify potential harms
- Measure potential harms
- Mitigate potential harms
- Operate a responsible generative AI solution
- Exercise - Explore content filters in Azure OpenAI
- Knowledge check
- Summary





En New Horizons, somos Partner Oficial de Microsoft, ofreciendo certificaciones oficiales en sus tecnologías. Nuestros programas capacitan a profesionales para destacar en el ecosistema digital y potenciar su crecimiento.



BENEFICIOS DE CLASES ONLINE EN VIVO



Online Live

Clases en tiempo real
(conéctate desde el
lugar que estés)



Acceso a las clases grabadas

Podrás ver las clases
grabadas hasta por
90 días



Certificado Internacional

A nombre de New
Horizons Corporation



Capacidad

Máximo 20 alumno



Discusiones

Con sus compañeros
y el instructor en
tiempo real



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