AI-3004 Develop computer vision solutions in Azure

Category: AI, Data & Analytics | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Certified: Azure AI Engineer Associate
Related Exam:	AI-300

Course Overview

This course is intended for software developers wanting to build AI infused computer vision applications that leverage Microsoft Foundry and Azure Vision.

About This Course

This course is intended for software developers wanting to build AI infused computer vision applications that leverage Microsoft Foundry and Azure Vision.

Who Should Attend

This course was designed for software engineers concerned with building, managing and deploying AI solutions that leverage Microsoft Foundry and other Azure AI services. They are familiar with C# or Python and have knowledge on using REST-based APIs and SDKs to build solutions on Azure.

Prerequisites & Entry Requirements

General Prerequisites:

- Familiarity with Azure and the Azure portal.
- Experience programming with C# or Python.

Detailed Course Outline

1 - Analyze images

- Provision an Azure Vision resource
- Analyze an image
- Module assessment

2 - Read text in images

- Explore Azure AI options for reading text
- Read text with Azure Vision Image Analysis
- Module assessment

3 - Detect, analyze, and recognize faces

- Plan a face detection, analysis, or recognition solution
- Detect and analyze faces
- Verify and identify faces
- Responsible AI considerations for face-based solutions
- Module assessment

4 - Classify images

- Azure AI Custom Vision
- Train an image classification model
- Create an image classification client application
- Module assessment

5 - Detect objects in images

- Use Azure AI Custom Vision for object detection
- Train an object detector
- Develop an object detection client application
- Module assessment

6 - Analyze video

- Understand Azure Video Indexer capabilities
- Extract custom insights
- Use Video Analyzer widgets and APIs
- Module assessment

7 - Develop a vision-enabled generative AI application

- Deploy a multimodal model
- Develop a vision-based chat app
- Module assessment

8 - Generate images with AI

- What are image-generation models?
- Explore image-generation models in Microsoft Foundry portal
- Create a client application that uses an image generation model
- Module assessment

📜 Certification Path

Microsoft Certified: Azure AI Engineer Associate

Exam: AI-300

Frequently Asked Questions

Q: What delivery options are available for AI-3004 Develop computer vision solutions in Azure?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AI-3004 Develop computer vision solutions in Azure course helps prepare you for the Microsoft Certified: Azure AI Engineer Associate certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AI-300 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AI-3004 Develop computer vision solutions in Azure course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AI-3004 Develop computer vision solutions in Azure training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AI-3004 Develop computer vision solutions in Azure?

Yes, we provide corporate training, dedicated training, and closed classes for AI-3004 Develop computer vision solutions in Azure. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for AI-3004 Develop computer vision solutions in Azure?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AI-3004 Develop computer vision solutions in Azure training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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