

AI - 3004 : Create computer vision solutions with Azure AI Vision

Course Outline

Module 1: Analyze Images

- Provision an Azure AI Vision resource.
- Analyze an image.
- Generate a smart-cropped thumbnail.

Module 2: Image Classification with Custom Azure AI Vision Models

- Create a custom Azure AI Vision classification model.
- Understand image classification.
- Understand object detection.
- Train an image classifier in Vision Studio.

Module 3: Detect, Analyze, and Recognize Faces

- Identify options for face detection, analysis, and identification.
- Understand considerations for face analysis.
- Detect faces with the Computer Vision service.
- Understand capabilities of the Face service.
- Compare and match detected faces.
- Implement facial recognition.

Module 4: Read Text in Images and Documents with the Azure AI Vision Service

- Read text from images using OCR.
- Use the Azure AI Vision service Image Analysis with SDKs and the REST API.
- Develop an application that can read printed and handwritten text.

Module 5: Analyze Video

- Describe Azure Video Indexer capabilities.
- Extract custom insights.
- Use Azure Video Indexer widgets and APIs.