

Faculty of Science and Engineering

Artificial Intelligence for Computer Vision

Part-Time Professional Diploma



NFQ Level 9 | 1 Year | Part-Time | Online Learning

AI with computer vision skills combines the ability to interpret the visual world with machine learning algorithms to create intelligent systems that can analyse, process, and interpret vast amounts of visual data in real-time.

This Professional Diploma will introduce you to cutting-edge vision systems and empower you to apply these skills to your workplace. You'll learn about modern Deep Learning approaches to many machine and computer vision problems across a wide range of industry-focused applications, including object detection, 3D image processing and facial recognition. On completion, you'll be equipped with how to:

- Analyse visual data and extract meaningful information from images and videos.
- Build and train Deep Learning models for tasks like image classification and object detection.
- Apply these tools effectively to implement computer vision algorithms and develop real-world applications.

EXPLORE THE COURSE MODULES:

- Introduction to Scientific Computing for AI
- Machine Vision and Image Processing
- Geometric Computer Vision
- Deep Learning for Computer Vision
- Future Focused Professional Portfolio 1 & 2
- Intelligent Visual Computing and Applications (Advanced)

THIS PROGRAMME IS FOR YOU IF YOU:

- Wish to upskill in computer vision for improved accuracy and efficiency within their workplace.
- Are a Software Developer, Data Scientist, Engineer, Product Manager, or Researcher needing to upskill in computer vision skills.
- Are in a technical role which deals with visual data.

Take your curiosity one step further; find out more.



Rialtas na hÉireann
Government of Ireland



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