

Deep Learning with Python Course

Build neural networks that see, understand, and predict.

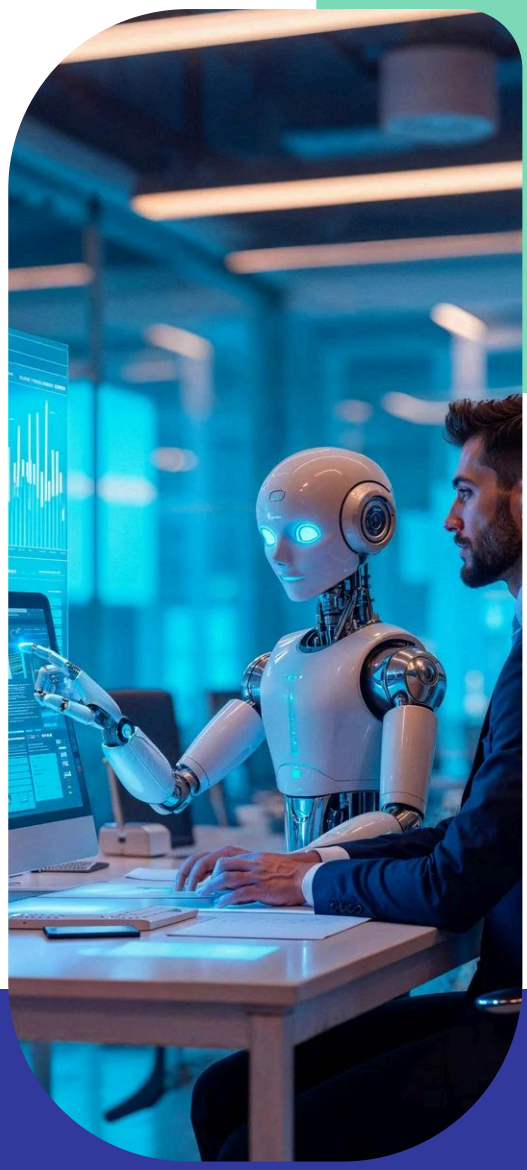
Certificate Course | A16
Duration: 24 hours
Level: Advanced

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WHAT YOU'LL LEARN

- Understand the most common applications of neural networks and implement basic models.
- Replicate core neural network exercises and explore advanced architectures.
- Apply deep learning techniques to solve real-world problems.
- Build and evaluate your own custom neural network from scratch.



COURSE CONTENT

Module 1: Introduction to Deep Learning with PyTorch
What deep learning is, tensors in PyTorch, building neural networks, activation functions, and backpropagation.

Module 2: Training & Optimizing Neural Networks
Loading data, training and optimising a network, improving performance, and transfer learning.

Module 3: Deep Learning Project
Your own deep learning project from start to finish.

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OFFICIAL CERTIFICATE

> This course leads to an official ADA certificate at NLQF Level 6, comparable to bachelor level. Your certificate proves a verified, professional level of knowledge and skills, valued by employers across the Netherlands.

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