



5 Courses

**Introduction to Deep Learning & Neural Networks with Keras**

**Deep Learning with Keras and Tensorflow**

**Introduction to Neural Networks and PyTorch**

**Deep Learning with PyTorch**

**AI Capstone Project with Deep Learning**

Nov 25, 2025

## Anhad Mahajan

has successfully completed the online, non-credit Professional Certificate

# IBM Deep Learning with PyTorch, Keras and Tensorflow

This certificate holder can build, train, and deploy deep learning models, including neural networks. They can create models for image recognition, natural language processing (NLP), and recommendation systems. Plus, they can use PyTorch and SoftMax regression and use activation functions. They can also create custom layers and models using Keras, integrate Keras with TensorFlow 2, and develop advanced convolutional neural networks (CNNs). They can develop transformer models for sequential data and time series predictions and apply unsupervised learning concepts and reinforcement learning. Plus, they have demonstrated their ability to create deep learning pipelines, improve models, and apply deep learning to real world challenges.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.



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