



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



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## Muzammil Khan

has successfully completed the online 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.

Alex Aklson, Jeremy  
Nilmeier, Joseph  
Santarcangelo  
Ricky Shi, Romeo  
Kienzler, Samaya  
Madhavan  
Wojciech 'Victor' Fulmyk

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