

6 Courses



Scalable Machine Learning on Big Data using Apache Spark

Introduction to Deep Learning & Neural Networks with Keras

Deep Neural Networks with PyTorch

Building Deep Learning Models with TensorFlow

Al Capstone Project with Deep Learning



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## **Muhammad Umair Shahid**

has successfully completed the online, non-credit Professional Certificate

## **IBM AI Engineering**

Learners who have completed this 6 course Professional
Certificate have a practical understanding of Machine Learning
(ML) & Deep Learning (DL). They have technical skills to start a
career in Al Engineering, and can: • Implement ML algorithms
including Classification, Regression, Clustering, and Dimensional
Reduction using scipy & scikitlearn • Perform ML on Big Data and
deploy ML Algorithms and Pipelines on Apache Spark •
Demonstrate understanding of Deep Learning models such as
autoencoders, restricted Boltzmann machines, convolutional
networks, recursive neural networks, and recurrent networks •
Build deep learning models and neural networks using Keras,
PyTorch and Tensorflow libraries • Demonstrate ability to present
and communicate outcomes of deep learning projects

Romeo Kienzler Chief Data Scientist IBM Watson IoT

Alex Aklson, Ph.D.
Data Scientist

of Sastarangel

Joseph Santarcangelo Senior Data Scientist IBM

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Saeed Aghabozorgi Sr. Data Scientist IBM