



6 Courses

Machine Learning with  
Python

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

AI Capstone Project with  
Deep Learning



Jul 3, 2022

**MARIA ANSON A**

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 AI 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

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.

Romeo Kienzler  
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