



6 Courses

**Exploratory Data Analysis
for Machine Learning**

**Supervised Machine
Learning: Regression**

**Supervised Machine
Learning: Classification**

**Unsupervised Machine
Learning**

**Deep Learning and
Reinforcement Learning**

Machine Learning Capstone



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Umar Waris

has successfully completed the online, non-credit Professional Certificate

IBM Machine Learning

Machine Learning is one of the most in-demand skills for jobs related to modern AI applications, a field in which hiring has grown 74% annually for the last four years (LinkedIn). This Professional Certificate from IBM provides evidence that the above named individual developed skills in Machine Learning: Unsupervised Learning, Supervised Learning, Deep Learning, and Reinforcement Learning; including Time Series Analysis and Survival Analysis. This program consisted of 6 courses providing a solid theoretical understanding and considerable practice of the main algorithms, uses, and best practices related to Machine Learning.

Rav Ahuja
AI & Data Science
Program Director
IBM Skills Network

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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