



6 Courses

**Exploratory Data Analysis  
for Machine Learning**

**Supervised Learning:  
Regression**

**Supervised Learning:  
Classification**

**Unsupervised Learning**

**Deep Learning and  
Reinforcement Learning**

**Specialized Models: Time  
Series and Survival Analysis**



1 Dec, 2024

# Nouraldin Ahmed Talaat

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.

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.

Mark J Grover  
Digital Content Delivery  
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IBM Data & AI Learning

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Machine Learning  
Curriculum Developer  
Data and AI Learning

Verify this certificate at:  
[coursera.org/verify/professional-  
cert/VCHN5T75HPFP](https://coursera.org/verify/professional-cert/VCHN5T75HPFP)