



Dec 14, 2025

RAVI MANIKANDAN

has successfully completed

Machine Learning with Python

an online non-credit course authorized by IBM and offered through Coursera

Three handwritten signatures in black ink. The first signature is "Jeff Grossman", the second is "Joseph Santarcangelo", and the third is "Saeed A.".

Jeff Grossman
Joseph Santarcangelo
Saeed Aghabozorgi

**COURSE
CERTIFICATE**



Verify at:
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Coursera has confirmed the identity of this individual and
their participation in the course.