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Rafael Michelin Sanches  
Ferreira de Moraes

has successfully completed

Deep Neural Networks with PyTorch

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

A handwritten signature in black ink, reading "J. Santarcangelo", written over a horizontal dotted line.

Joseph Santarcangelo  
Senior Data Scientist  
IBM

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/8L5NZWL5LZQE](https://coursera.org/verify/8L5NZWL5LZQE)

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