



May 30, 2023

serkan polat

has successfully completed

Python for Data Science, AI & Development

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

A handwritten signature in black ink, reading "Joseph Santarcangelo".

Joseph Santarcangelo  
Senior Data Scientist  
IBM

COURSE  
CERTIFICATE



Verify at:

<https://coursera.org/verify/XWMCUWD78JE5>

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