



Jun 25, 2025

**mowaid osman**

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 "J. Santarcangelo".

Joseph Santarcangelo  
Senior Data Scientist  
IBM

**COURSE  
CERTIFICATE**



Verify at:  
<https://coursera.org/verify/1TD104JJANYW>

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