



Jul 2, 2025

mowaid osman

has successfully completed

Data Analysis with Python

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/HJEVZYXJF95S>

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