



Sep 19, 2024

**Maruveni Charan**

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 "J. Santarcangelo".

Joseph Santarcangelo  
Senior Data Scientist  
IBM

**COURSE  
CERTIFICATE**



Verify at:  
<https://coursera.org/verify/0JLJ0YU9JCY0>

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