



Oct 22, 2023

# Harshavardhan Marineni

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/U3KZUYUPYQPL>

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