



Aug 16, 2021

SUBRAMANI KARUPPAGOUNDER

has successfully completed

Data Analysis with Python

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

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

Joseph Santarcangelo
Senior Data Scientist
IBM

COURSE CERTIFICATE



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