



10/13/2019

**Volkan Karaarslan**

has successfully completed

**Python for Data Science and AI**

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 [coursera.org/verify/QASG8T9MWCNL](https://coursera.org/verify/QASG8T9MWCNL)

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