



Oct 25, 2022

Fatna Barkouch

has successfully completed

Python Project for Data Engineering

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

Ramesh Sannareddy
Data Engineering Subject Matter Expert
Skill-up Technologies

Joseph Santarcangelo
Senior Data Scientist
IBM

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/4B2S4RJ5WNGV>

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