

Sep 19, 2023

Amal Taha Shaaban

has successfully completed

Python for Data Science, AI & Development

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

COURSE CERTIFICATE



of Sastarongel

Joseph Santarcangelo Senior Data Scientist IBM

Verify at: https://coursera.org/verify/579SSHQ5DHF5

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