

Verified
Certificate



This is to certify that

Xavier Borja

successfully completed and received a passing grade in

PY0221EN: Python for Data Engineering Project

a course of study offered by IBM, an online learning
initiative of IBM.

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

Joseph Santarcangelo
PhD., Data Scientist
IBM

A handwritten signature in black ink, reading "Ramesh Sannareddy".

Ramesh Sannareddy
Content Developer
Skilluup Technologies



Verified Certificate
Issued August 9, 2023

Valid Certificate ID
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