

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



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

Joseph Santarcangelo
Data Scientist

IBM

This is to certify that

Smail YASSINE

successfully completed and received a passing grade in

DA0101EN: Analyzing Data with Python

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



VERIFIED CERTIFICATE
Issued 15 avril, 2020

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