

# VERIFIED

CERTIFICATE of ACHIEVEMENT



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

Joseph Santarcangelo  
Data Scientist

IBM

This is to certify that

**Habiburahman Hotaki**

successfully completed and received a passing grade in

**PY0101EN: Python Basics for Data Science**

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



VERIFIED CERTIFICATE  
Issued July 16, 2020

VALID CERTIFICATE ID  
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