

Verified Certificate



A handwritten signature in black ink, appearing to read 'J. Santarcangelo'.

Joseph Santarcangelo
Data Scientist
IBM

This is to certify that

Harsh Raghav

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 September 29, 2021

Valid Certificate ID
[f2753ea6bb66489d8a7bdde6cbb763e4](https://courses.edx.org/certificates/f2753ea6bb66489d8a7bdde6cbb763e4)