

Verified Certificate



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

Joseph Santarcangelo

Data Scientist

IBM

This is to certify that

Thiyagarajan.s

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 June 14, 2021

Valid Certificate ID

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