

# Verified Certificate



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

Joseph Santarcangelo

Data Scientist

IBM

This is to certify that

**Karthik Kallapiran.T**

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.



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Issued June 10, 2021

Valid Certificate ID

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