



This is to certify that

Joseph Santarcangelo

Data Scientist

IBM

KasukurthiSridevi

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 3, 2024 Valid Certificate ID ad333ed5ff694aa39dd314c18ac9be65