## Verified Certificate



This is to certify that

Joseph Santarcangelo **Data Scientist** 

**IBM** 

## **CVCHARAN**

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 May 17, 2024

**Valid Certificate ID** 78b1455444054823bcaaeef59d87e6d6