



Dec 21, 2021

KEMAL DIRIS

has successfully completed

Python for Data Science, AI & Development

an online non-credit course authorized by IBM and offered through Coursera

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

Joseph Santarcangelo
Senior Data Scientist
IBM

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CERTIFICATE



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Coursera has confirmed the identity of this individual and their
participation in the course.