



Certificate no: UC-22c5578c-fa87-45fa-a91b-27917dc6ef4c

Certificate url: ude.my/UC-22c5578c-fa87-45fa-a91b-27917dc6ef4c

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Raphael Cartaxo

Date **May 15, 2023**

Length **10.5 total hours**