



Certificate no: UC-00e4ca90-248d-4cbd-8c3b-898078af11a1

Certificate url: ude.my/UC-00e4ca90-248d-4cbd-8c3b-898078af11a1

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Rounak Saha

Date **Feb. 10, 2023**

Length **10.5 total hours**