



Certificate no: UC-9303ffda-a87f-41a6-a1a8-44f4f80450a9

Certificate url: ude.my/UC-9303ffda-a87f-41a6-a1a8-44f4f80450a9

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Sedat Parlak

Date **March 30, 2023**

Length **10.5 total hours**