



Certificate no: UC-d4916af0-e92c-4242-b903-4984892862e1
Certificate url: ude.my/UC-d4916af0-e92c-4242-b903-4984892862e1
Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Km Shiwangi

Date **Oct. 11, 2023**

Length **10.5 total hours**