



Certificate no: UC-1b591ae1-cc8f-4c5c-b0f1-1d529054e177

Certificate url: ude.my/UC-1b591ae1-cc8f-4c5c-b0f1-1d529054e177

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Luis Alejandro Vargas Ramos

Date **May 31, 2022**

Length **10.5 total hours**