



Certificate no: UC-392578f2-f3a3-4968-abcc-e9b6eb263b9e

Certificate url: ude.my/UC-392578f2-f3a3-4968-abcc-e9b6eb263b9e

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Vikas Singh

Date **March 8, 2022**

Length **10.5 total hours**