



Certificate no: UC-4e5fef64-5a68-4631-8a63-09f44d8c4b9e

Certificate url: ude.my/UC-4e5fef64-5a68-4631-8a63-09f44d8c4b9e

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Nisha Choudhary

Date **Nov. 13, 2022**

Length **10.5 total hours**