



Certificate no: UC-8e7a591b-d0d8-4651-8de3-3eaad9c4dc14
Certificate url: ude.my/UC-8e7a591b-d0d8-4651-8de3-3eaad9c4dc14
Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

harsh jain

Date **April 11, 2022**

Length **10.5 total hours**