



Certificate no: UC-e3fbd8f5-48b8-4b8e-aaa8-e0d2a3b4d52a
Certificate url: ude.my/UC-e3fbd8f5-48b8-4b8e-aaa8-e0d2a3b4d52a
Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Harshit Singhai

Date **March 4, 2022**

Length **10.5 total hours**