



Certificate no: UC-a61d3dda-44e1-46a3-98b0-a6b4239030da
Certificate url: ude.my/UC-a61d3dda-44e1-46a3-98b0-a6b4239030da
Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Davies Njogu

Date **April 9, 2022**

Length **10.5 total hours**