



Certificate no: UC-5f36937c-5b6c-4ce6-a436-c41e6f9d490d

Certificate url: ude.my/UC-5f36937c-5b6c-4ce6-a436-c41e6f9d490d

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Tamás Szuhai

Date **Sept. 24, 2023**

Length **10.5 total hours**