



Certificate no: UC-ff6f86f7-556f-4104-ad4b-964ac145cd6d

Certificate url: ude.my/UC-ff6f86f7-556f-4104-ad4b-964ac145cd6d

Reference Number: 0004

CERTIFICATE OF COMPLETION

Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

Sai Teja Muliki

Date **Feb. 14, 2023**

Length **10.5 total hours**