



Certificate no: UC-c9d2f771-680f-4184-8fc3-ed410a4f0e5f

Certificate url: [ude.my/UC-c9d2f771-680f-4184-8fc3-ed410a4f0e5f](https://ude.my/UC-c9d2f771-680f-4184-8fc3-ed410a4f0e5f)

Reference Number: 0004

CERTIFICATE OF COMPLETION

# Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

**Waad Aljehani**

Date **Oct. 10, 2022**

Length **10.5 total hours**