



Certificate no: UC-ee0e0380-b11b-48ad-85f2-8e5d1f3d15c0

Certificate url: [ude.my/UC-ee0e0380-b11b-48ad-85f2-8e5d1f3d15c0](https://ude.my/UC-ee0e0380-b11b-48ad-85f2-8e5d1f3d15c0)

Reference Number: 0004

CERTIFICATE OF COMPLETION

# Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

**MODALA VENKATA SAI ASHWIN KUMAR**

Date **Dec. 7, 2023**

Length **10.5 total hours**