



Certificate no: UC-e8dfc4d9-28e3-49eb-a536-d2a4b7c5ff0d

Certificate url: ude.my/UC-e8dfc4d9-28e3-49eb-a536-d2a4b7c5ff0d

Reference Number: 0004

CERTIFICATE OF COMPLETION

Apache Spark 3 - Spark Programming in Python for Beginners

Instructors **Prashant Kumar Pandey, Learning Journal**

Manjot Singh

Date **May 4, 2022**

Length **6.5 total hours**