



Certificate no: UC-18d88fe0-dab9-404b-bc38-b4e7f0a28e4e

Certificate url: ude.my/UC-18d88fe0-dab9-404b-bc38-b4e7f0a28e4e

Reference Number: 0004

CERTIFICATE OF COMPLETION

Apache Spark 3 - Spark Programming in Python for Beginners

Instructors **Prashant Kumar Pandey, Learning Journal**

Swarangi Gawli

Date **June 11, 2022**

Length **6.5 total hours**