



Certificate no: UC-1cef911a-b884-4ddc-bf26-e0d473f8b7aa

Certificate url: ude.my/UC-1cef911a-b884-4ddc-bf26-e0d473f8b7aa

Reference Number: 0004

CERTIFICATE OF COMPLETION

Apache Spark 3 - Spark Programming in Python for Beginners

Instructors **Prashant Kumar Pandey, Learning Journal**

Simeon Chifligarov

Date **May 24, 2023**

Length **9 total hours**