



Certificate no: UC-19b7c608-02e2-4c3b-8cd9-e030fb3efa0e

Certificate url: ude.my/UC-19b7c608-02e2-4c3b-8cd9-e030fb3efa0e

Reference Number: 0004

CERTIFICATE OF COMPLETION

Apache Spark with Scala - Hands On with Big Data!

Instructors **Sundog Education by Frank Kane, Frank Kane, Sundog Education Team**

Mackenzie Chen

Date **March 6, 2024**

Length **9 total hours**