



Certificate no: UC-86a461b9-cfd9-498c-aefc-a41967d0517b

Certificate url: ude.my/UC-86a461b9-cfd9-498c-aefc-a41967d0517b

Reference Number: 0004

CERTIFICATE OF COMPLETION

Big Data with Apache Spark 3 and Python: From Zero to Expert

Instructors **Data Bootcamp**

Shubham Sonu

Date **Feb. 20, 2024**

Length **5.5 total hours**