



Certificate no: UC-6164f710-2ed4-487c-96e4-fb750257b4be

Certificate url: ude.my/UC-6164f710-2ed4-487c-96e4-fb750257b4be

Reference Number: 0004

CERTIFICATE OF COMPLETION

Taming Big Data with Apache Spark and Python - Hands On!

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

Michel Arruda Lopes de Araujo

Date **Sept. 22, 2021**

Length **7 total hours**