



Certificate no: UC-efb0ffb0-0637-4add-a35f-3c52fe33c5bc

Certificate url: ude.my/UC-efb0ffb0-0637-4add-a35f-3c52fe33c5bc

Reference Number: 0004

CERTIFICATE OF COMPLETION

Taming Big Data with Apache Spark 4 and Python - Hands On!

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

Muhammad Nabiel Andityo Purnomo

Date **Sept. 3, 2025**

Length **9 total hours**