



Certificate no: UC-3befdd56-76c1-48fb-834c-29b4e0d99b81

Certificate url: ude.my/UC-3befdd56-76c1-48fb-834c-29b4e0d99b81

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**

Yousef Mahmoud

Date **Dec. 22, 2025**

Length **9 total hours**