udemy

Certificate no: UC-6a9bd213-1d3c-4490-b30d-7b7bd777541f
Certificate url: ude.my/UC-6a9bd213-1d3c-4490-b30d-7b7bd777541f
Reference Number: 0004

CERTIFICATE OF COMPLETION

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

Instructors **Data Bootcamp**

## Jioacchino Daniel Simbul

Date **Sept. 22, 2023**
Length **5 total hours**