



Certificate no: UC-29b71faf-8f2f-44fa-899f-5e04aca25e18

Certificate url: ude.my/UC-29b71faf-8f2f-44fa-899f-5e04aca25e18

Reference Number: 0004

CERTIFICATE OF COMPLETION

Applied Text Mining and Sentiment Analysis with Python

Instructors **Benjamin Termonia**

Esakkimuthu M

Date **Feb. 3, 2023**

Length **2.5 total hours**