



The certification for the completion of the module

## Text Mining with Python

Has been awarded to

**Thomas COULoud**

issued on 03/05/2023 in Paris



Certification number

dbc47def-0807-43f7-a555-200fab34b4e9

A handwritten signature in black ink, appearing to read "CS", positioned above a horizontal line.

Charles Sutton  
Lead Data Scientist