



The certification for the completion of the module

## Text Mining with Python

Has been awarded to

**Salim HAROUAT**

issued on 02/03/2023 in Paris



Certification number

d8351add-1466-45c8-9848-e1073732d5aa

A handwritten signature in black ink, appearing to read "CS", positioned above the name of the Lead Data Scientist.

Charles Sutton  
Lead Data Scientist