



The certification for the completion of the module

Text Mining with Python

Has been awarded to

Fadimatou ABDOULAYE

issued on 22/08/2023 in Paris



Certification number

778391f8-bf0b-4957-8efb-e6de3ff19e48

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

Charles Sutton
Lead Data Scientist