



The certification for the completion of the module

## Clustering with scikit-learn

Has been awarded to

**Salim HAROUAT**

issued on 16/01/2023 in Paris



Certification number

fa98e8b9-d527-4534-b57d-b46c97e88f39

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

Charles Sutton  
Lead Data Scientist