



The certification for the completion of the module

## Machine Learning with PySpark

Has been awarded to

**Karim MEDLEJ PÉREZ**

issued on 05/10/2023 in Paris



Certification number

928842d2-1843-44c5-824c-ea11c0fe997a

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

Charles Sutton  
Lead Data Scientist