



The certification for the completion of the module

## Machine Learning with PySpark

Has been awarded to

**Thomas COULoud**

issued on 17/05/2023 in Paris



Certification number

bc9c7287-981f-4e41-bedd-191415cb7beb

A handwritten signature in black ink, located on the right side of the certificate, above the name and title.

Charles Sutton  
Lead Data Scientist