



# CHIBANE Lila

Data scientist 

Looking for a job as a data scientist.

## Contact

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## Skills

### Programming languages

- Python(TensorFlow,Keras,SciKit Learn,Pytorch)
- R Java Matlab C C++ C#
- HTML/CSS Dart SQL PL-SQL

### Data Base

- Oracle MySQL MongoDB SQLite

### Version management tools

- Git

### DevOps

- Docker kubernetes github actions bash

### IDEs

- Anaconda Rstudio Visual Studio
- Matlab Jupyter Google Colab

### Office technology

- Microsoft Office Adobe Latex Figma

### OS

- Linux Windows

### Others

- Computer vision Medical imaging Big Data

## Languages

- |                      |                     |
|----------------------|---------------------|
| Français<br>Advanced | English<br>Advanced |
|----------------------|---------------------|

## Interest

-  Design
-  Travel

## Professional experiences

### Data scientist internship (NLP in unsupervised learning)

Research centres Borelli & CNRS

Paris-France

June 2023 - August 2023

- Analysis and processing of textual data.
- Data dimension reduction using PCA, T-sne, UMAP and auto-encoders.
- Use of tandem approaches with clustering methods Kmeans++, KMedoids, spherical kmeans and hierarchical ascending classification.
- Use of the joint approach by testing the two models Deep Kmeans and reduced kmeans.

Natural language processing (NLP) Unsupervised learning Python R Big Data

### Data scientist internship (Deep learning and imaging)

Research centres Borelli & CNRS

Paris-France

january 2023 - April 2023

- Creation of a dashboard for data visualisation.
- Analysis and processing of breast cancer patient data.
- Selection of the most relevant features for use in classification.
- Design of an approach for classifying breast tumours from mammograms (DICOM files) using deep learning.
- Use of unsupervised learning to solve the problem of class imbalance.
- Contributing to the improvement of existing approaches in order to obtain a high-performance model.

Deep learning Convolutional neural networks Computer vision Dashboard Python

### Data scientist internship (Deep learning and 3D imaging)

Research centre CERIST Jan 2022 - August 2022

- Creation of a dashboard for data visualisation.
- Analysis and processing of data from patients with glioblastoma brain tumours.
- Development of an approach for segmenting the glioblastoma tumour from 3D multiparametric MRIs (Nifti files) using deep learning.
- Use of 3D U-NET, 3D ResU-Net and 3D R2U-Net (neural networks) for segmentation.
- Creation of an application for viewing MRIs in Nifti format using PyQt.

Deep learning Neural Networks Dashboard Python Computer vision Recurrent neural network

## Education

### Master's degree in machine learning for data science

Paris-cité University From 2022

- Deep learning Supervised/Unsupervised learning Reinforcement learning Text-mining & NLP
- Dimensionality Reduction Big Data Data mining

### Master's degree in Intelligent Computer Systems

USTHB (ALGERIA) 2020-2022

- Machine learning Algorithm complexity Meta-heuristics Evolutionary algorithms
- Knowledge representation Computer vision Advanced Databases Python R

### Bachelor's degree in Information Systems and Software Engineering

USTHB (ALGERIA) 2017-2020

- Algorithms and Data Structures Mathematical analysis Probability and statistics
- Algebra Graph Theory Mathematical Logic SQL / PL-SQL POO(Java) English C

## Projects

- Exploratory data analysis and churn prediction using supervised approaches such as Decision Tree, Logistic Regression, Support Vector Machine, xgboost and Random forest, as well as the creation of a dashboard for data visualisation.
- Prediction of the evolution of Parkinson's disease (PD) using protein abundance data (Time series).
- Prediction of the number of contaminations due to COVID-19 as a function of diet using neural networks.
- Development of an artificial intelligence approach for the classification of cerebral haemorrhages from 2D brain scans using deep learning, transfer learning and ensemble learning.