

Samy SI BACHIR

Data Scientist

PROFIL

I've been a data scientist for 3 passionate years, and I' am about setting up secure data pipelines that enable development robust of models.

CONTACT



https://github.com/ssibachir



+33 6 30 82 70 99



samysibachir@hotmail.fr



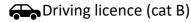
21 Rue Emile Guyou Toulouse 31400



in www.linkedin.com/in/samysibachir



French



SKILLS

Programming: Python, R, Matlab

Machine Learning framework:

Tensorflow, Pytorch, sklearn,

transformers

Database : **SQL**, NoSQL

CI/CD: Git

Orchestration: Airflow, AWS

Dashboarding: PowerBI, Streamlit

API deployment : FastAPI

LANGUAGES

French: mother tongue

English: C1

Spanish: B1

REFERENCE

Sacha Clauzade:

Software manager at REEV

+33 6 81 40 67 24

PROFESSIONNAL EXPERIENCE

Data Scientist (april 2022 - now) - REEV | Toulouse (FR)

- Development of integrated AI for the development of exoskeleton for stroke and patients.
- Development of a walking activity classification algorithm. Result: 96% accuracy.
- Development of a model for joint angles prediction (time series) using LSTM. Result: 95% Pearson correlation.
- Development of a training and model deployment pipeline (AWS, FastAPI, Airflow, Github Actions).
- Integration of AI in microcontrollers (C/Simulink)
- Data analysis and creation of dashboards
- Setup of a PostgresSQL database

Data Scientist (feb-aug 2021) - DEINOVE | Montpellier (FR)

- Development of signal analysis programs in biology (signal processing, baseline correction)
- Development of learning models based on unsupervised classification algorithms in the search for new antibiotic molecules

PERSONNAL PROJECT:

Development of an application that use fine tuned **LLM** and RAG to generate personalized tales for children (Langchain)

EDUCATION

Leonard de Vinci Graduate School of Engineering Paris (FR)

Major Health and Biotechnology | 2020-2022

- Machine learning on R and Python (Scipy, Numpy, Pandas, Sklearn, Matplotlib)
- Deep learning (Tensorflow)
- Database management / data analysis
- Mechatronics and robotics
- Biomechanics and imaging analysis

Faculty of Pharmacy Montpellier (FR)

Master's degree in Health engineering, Medical Device from the design to the market | 2018 - 2020

- Medical software regulations (standards IEC 60601-1,IEC 62304)
- Knowledge of the medical device lifecycle in compliance with quality and regulatory requirements
- Knowledge of biology, physiology and anatomy
- Design of implantable medical devices for specific projects
- Synthesis and characterization of biomaterials