

Versatile Data Scientist with expertise spanning data analysis, visualization, and the production deployment of ML/AI models. I design reliable, business-oriented solutions, demonstrating a collaborative, autonomous, and proactive approach to problem-solving.

WORK EXPERIENCE

DATA SCIENTIST

Jun 2025 - Dec 2025

Telecommunications/ICT/Electronic Communications Regulatory Authority of CI

CI/FR/ES

Intelligent Automation & AI

Power Automate, Python, Supervised ML - Deployed an architecture combining RPA and ML models, reducing manual workload on recurring processing tasks by 50%.

MLOps Architecture

Python, SQL, Power BI - Implemented centralized monitoring for 10+ production models, including automated drift detection and alerting, improving anomaly response time by 40%.

ML Lifecycle Management

CI/CD, MLflow - Standardized deployment workflows and automated testing, cutting time-to-production by 60%.

DATA SCIENTIST

Apr 2024 - Oct 2024

Institut de la Vision, INSERM

Paris, France

Deep Learning Optimization

Python, PyTorch - Optimized and fine-tuned CNN and Transformer architectures for experimental datasets, improving accuracy by 30%.

Data Engineering

Python, SQL, Pandas - Built a reproducible pipeline for 1,000+ datasets (>100 GB), including cleaning, normalization, merging, and quality control.

Advanced Feature Engineering

Python, scikit-learn, scipy - Extracted and selected 30+ features from time-series signals, identifying 10 key biomarkers for clinical interpretation.

DATA SCIENTIST

Feb 2021 - May 2021

LCQB

Paris, France

Distributed Machine Learning

Python, Dask, Slurm - Optimized training workflows on HPC clusters, reducing overfitting and decreasing computational time by 80%.

Engineering & Automation

Bash, Python, Pandas - Developed robust pipelines including error handling to ensure reproducibility of analyses.

FULLSTACK DEVELOPER

May 2019 - Apr 2020

IKIGAI

Paris, France

Data Integration & Pipeline Development

Node.js, MongoDB, SQL - Built automated pipelines to consolidate and standardize 3M+ records from multiple SQL and NoSQL sources, enabling centralized analytics and unified reporting.

Internal Analytics Platform

Angular, TypeScript, MongoDB - Developed an automated reporting dashboard that reduced analysis lead time by 90% and enabled real-time performance monitoring and data-driven decision-making.

PERSONAL PROJECTS

Satellite Environmental Analysis

May 2025 - Jul 2025

AI-powered detection of environmental anomalies in satellite imagery.

Achieved segmentation precision: 91% IoU and 94% Accuracy after normalization.

Multilingual Geopolitical Monitoring

Dec 2024 - Feb 2025

Analyzed trends and risks from multilingual data using Deep Learning.

Achieved classification reliability: 95% ROC-AUC and 88% F1 Score after fine-tuning.

Financial Fraud Detection

May 2024 - Jul 2024

Automated identification of fraud patterns.

Achieved detection performance: 92% AUC on imbalanced datasets.

EDUCATION

SORBONNE UNIVERSITY

Sep 2021 - Dec 2024

Master in Data Science, Specialization in Biology

SORBONNE UNIVERSITY

Sep 2018 - Sep 2021

Bachelor's Degree in Computer Science

TECHNICAL SKILLS

LANGUAGES & DEVELOPMENT

Python, R, SQL, TypeScript, Java, Bash

DATA SCIENCE & ML

Pandas, NumPy, Scikit-learn, XGBoost, TensorFlow, Keras, PyTorch

MLOPS & INFRASTRUCTURE

Docker, MLflow, Airflow, AWS (S3), AWS (SageMaker), Databricks

DATABASES

PostgreSQL, MySQL, MongoDB

VISUALIZATION & BI

Power BI, Matplotlib, Seaborn, Plotly, Streamlit

OTHERS

LANGUAGES

French (Native), English (C1), Japanese (Beginner)

CERTIFICATIONS

AWS Certified Machine Learning Specialty (in progress)