

Ihsane ERRAMI

Data Scientist | Machine Learning | Data Engineer (GCP)

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PROFILE

- Driving licence (Category B) and own vehicle
- Data Scientist with hands-on experience in machine learning, large-scale data processing, and cloud-based analytics. Skilled in designing end-to-end data pipelines and developing AI solutions.
- Passionate about applying artificial intelligence to healthcare, bioinformatics and industrial challenges.

SKILLS

Languages & Data

- Python
- SQL
- R
- Java, C

Tools & Technologies

- GCP (BigQuery, Vertex AI, IAM)
- Docker, Linux
- Alteryx (Designer Core Certification)
- Power BI / Looker Studio
- Git, Bitbucket

Data & Machine Learning

- Machine Learning (classification, clustering, anomaly detection)
- Time series analysis
- Data engineering (databases)
- Large-scale data processing
- Biological data analysis

IT PROJECTS

BioAnomaly:

Detection of anomalies in biological datasets using Isolation Forest and Autoencoders (Python, Scikit-learn).

SignalWatch:

Predictive maintenance using sensor time-series data with Random Forest and LSTM models.

LANGUAGES

- French: native language
- English: B1- B2
- German: A2-B1
- Arabic : B1

INTERESTS

- Travel
- Strength training
- Tennis (practicing)
- Photography (landscape)

PROFESSIONAL EXPERIENCE

IT

Data Scientist – Work-Study Program

Caisse d'Epargne, Strasbourg: Sep 2, 2024 – Sep 18, 2026

- Developed a machine learning solution for the semantic classification of more than 3 million financial transactions. Built classification models with BigQuery ML to automatically categorize financial flows.
- Designed data preparation and feature engineering pipelines using SQL, Python and Alteryx.
- Created Power BI dashboards to support business decision-making and improve customer knowledge. Improved data quality and reliability across large-scale sensitive banking datasets.
- Collaborated with business stakeholders to transform analytical needs into AI-driven solutions.)

Data Analyst – Work-Study Program

iCube-CRBS, Strasbourg: Sep 6, 2022 – Sep 5, 2023

- Enhanced the BALLAST bioinformatics software for protein structural analysis.
- Developed XML parsers in C to automate biological data processing.
- Collected, cleaned and analysed large biological datasets for research purposes.

Engineering Assistant – Internship

Astronomical Observatory of Strasbourg: Apr 19, 2022 – Jul 1, 2022

- Deployed the VOLLT framework to implement the TAP interface
- Developed a module enriching TAP responses with annotations linked to Virtual Observatory data models

Other Experience

Hospital Services Agent – Operating Room

Hautepierre Hospital, Strasbourg: Jul 4, 2022 – Aug 31, 2022

Telephone Sales Assistant

Speedphone: Sep 2021 – Nov 2021

EDUCATION

Master's Degree in Data Management

Aivancity – Paris | Jan 2024 – 2026

- Machine Learning, Deep Learning
- Big Data & Cloud Computing
- Statistics & Applied Mathematics

Data Scientist Training Program

YNOV Campus – Paris | Sep 2023 – Jan 2024

- IT Project Management
- Machine Learning, Databases

Bachelor's Degree in Computer Science (L3)

CNAM – Strasbourg | Sep 2022 – Jun 2023

Work-study general IT training program

- Databases, systems, cybersecurity, web

DUT in Computer Science

IUT Robert Schuman – Strasbourg | Sep 2020 – 2022

General IT training

- Methods, languages, concepts, architecture

PACES (Medical courses)

Faculté de médecine – Strasbourg | Sep 2018 – 2020

- Histology, Anatomy, Pharmacology, Genomes