

# Ihsane ERRAMI

**Data Scientist | Machine Learning | Data Engineering (GCP)**

Strasbourg, France | Open to international opportunities

Phone: +33 7 67 80 65 88 | Email: [ihsane.errami1@gmail.com](mailto:ihsane.errami1@gmail.com)

LinkedIn: <https://www.linkedin.com/in/ihsane-errami-998717223/> | GitHub: [github.com/enashi04](https://github.com/enashi04)

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## PROFESSIONAL SUMMARY

Results-driven Data Scientist with experience in Machine Learning and Data Engineering within the banking and biomedical sectors. Skilled in handling large-scale sensitive datasets, improving data quality, and developing predictive models. Particularly interested in applying AI to healthcare, bioinformatics, and industrial systems.

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## CORE SKILLS

- **Programming & Data:** Python (Pandas, NumPy, Scikit-learn), SQL, Java, C
  - **Tools & Technologies:** Google Cloud Platform (BigQuery, Vertex AI), Alteryx (Designer Core Certified), Power BI, Git
  - **Data Science:** Machine Learning (classification, clustering, anomaly detection), time series analysis, big data processing
  - **Specialised:** Biological data analysis, data engineering fundamentals
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## PROFESSIONAL EXPERIENCE

### Data Scientist (Apprenticeship)

*Caisse d'Epargne, Strasbourg* | Sept 2024 – Sept 2026

- Ensured data quality and reliability across large-scale sensitive banking datasets
- Analysed financial transaction flows (salaries, suppliers, revenue) using Anaflux to improve customer behaviour insights
- Designed and implemented data preparation pipelines using SQL, Python, and Alteryx

### Data Analyst (Apprenticeship)

*Cube-CRBS, Strasbourg* | Sept 2022 – Sept 2023

- Enhanced the BALLAST programme (ball-based algorithm for structural motif detection)
- Developed a custom XML parser in C to optimise data processing performance
- Conducted in-depth analysis of protein datasets

## Junior Engineer (Internship)

Strasbourg Astronomical Observatory | Apr 2022 – July 2022

- Deployed the VOLLT framework to implement Table Access Protocol (TAP) interfaces
  - Developed a module to enrich TAP responses with Virtual Observatory data models
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## TECHNICAL PROJECTS

- **BioAnomaly:** Developed an anomaly detection system for biological data using Isolation Forest and Autoencoders (Python, Scikit-learn)
  - **SignalWatch:** Built anomaly detection models for sensor time series using Random Forest and LSTM
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## EDUCATION

### MSc Data Management

Aivancity, Paris | 2024 – 2026

- Focus: Machine Learning, Deep Learning, Big Data, Cloud Computing

### Data Scientist Programme

YNOV Campus, Paris | 2023 – 2024

- Focus: Project Management, Advanced Databases

### BSc Computer Science (Final Year)

CNAM, Strasbourg | 2022 – 2023

### DUT Computer Science

IUT Robert Schuman, Strasbourg | 2020 – 2022

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## LANGUAGES & INTERESTS

- **Languages:** French (Native), English (B2 – Professional Working Proficiency), German (Intermediate)
- **Interests:** Weightlifting, Tennis, Photography, Travel
- **Additional:** Full EU Driving Licence