



## Fatalmoudou KONE

*Looking for a 6-month internship in Data Science / AI / Big Data, starting March 2026, open to France, Belgium, Luxembourg*

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🐙 github.com/ton-github

## Technical Skills

- **Big Data:** Kafka, Spark, Pandas
- **Visualization:** Seaborn, Matplotlib
- **Languages:** Python, Java, C, SQL
- **Tools:** Linux, VSCode, Git, LaTeX, Docker
- **ML & AI:** scikit-learn, PyTorch, Hugging Face Transformers, NLP, ETL

## Certifications & Soft Skills

- **IBM – Data Engineering (ongoing):** Data analysis, Rigor, Problem-solving
- **Microsoft – AI & ML Engineering (ongoing):** Self-learning, Analytical thinking
- **Cisco Network Academy – Intro to Data Science:** Scientific curiosity, Information synthesis
- **Project Management MOOC:** Organization, Time management
- **Pix – Digital Risk Prevention:** Critical thinking, Digital vigilance
- **Red Cross – First Aid:** Composure under pressure, Initiative
- **INRS MOOC – Health & Safety:** Attention to detail, Responsibility

## Languages

- French (Native)
- English (TOEIC 810 – B2+)
- Mandarin (Elementary)
- Bambara (Native)

## Interests

- Cooking
- Puzzles and logic games
- Anime and manga

## Education

### TELECOM Nancy (2023–2026)

Engineering Degree in Computer Science

Specialization: AI & Big Data

Courses: Machine Learning, Deep Learning, Statistics, NoSQL

### University of Lorraine – Nancy (2025–2026)

Master's in Mathematics and Applications

Specialization: Mathematical Engineering for Data Science

Courses: Financial Mathematics, Optimization, Statistical and Stochastic Modelling

### Paris 8 University (2025–2026)

Bachelor's in Computer Science, Minor: Psychology

Courses: Data Mining, Interpretation and Compilation, Verbal Data Analysis

### University of Grenoble Alpes – UGA (2021–2023)

Bachelor's in Mathematics & Computer Science – 1st–2nd year

Courses: Functional and Imperative Programming, Numerical Analysis, Linear Algebra

## Professional Experience

### AREAL – RAG Optimization (Sept 2025–present)

Optimizing a RAG-based chatbot for knowledge access, improving retriever/generator efficiency.

### INRIA – Nancy (Jun–Aug 2025)

Processed and structured a **10TB robotics dataset**; developed facial recognition & anonymization tools.

### CRAN – University of Lorraine (Feb–May 2025)

Enhanced a 6-minute walking test using Madgwick filter: **+20% accuracy in patient trajectory**.

### Télécom Nancy Services – IT Systems Director (2023–2024)

Managed IT systems for **20 members** and updated website (content, logos, branding), improving readability and accessibility.

## Additional Experience

### KOSY Appart'Hôtel – Operations Intern (Jul 2024)

Customer relations, operational coordination; **improved customer satisfaction**.

### Afev – Volunteer (2023–2024)

Tutored a **student**, improving average grades by **+2 points**.

### University of Grenoble Alpes – Math Tutor (Sept–Dec 2022)

Led tutorials for **30 students**, with a final pass rate of **60%**.

## Projects

- **Fraud Detection System:** Kafka + Spark pipeline handling **1M+ transactions/day**
- **Pacman AI Agent:** Decision-making with A\*, Minimax, Expectimax
- **Visualization Dashboard:** Built interactive dashboards (Pandas, Matplotlib)
- **Biomedical Data Tool:** Explored disease-treatment relations with medical datasets
- **Mini-Python Compiler:** Implemented in Java