



# Naoual KHELLOUFI

Fullstack AI Engineer – LLM & RAG

📍 Sale, Morocco

☎ +212-710491041

@ [khelloufinaoualpro@gmail.com](mailto:khelloufinaoualpro@gmail.com)

🌐 <https://www.linkedin.com/in/naoual-khelloufi>

## Skills

Product-oriented thinking, ethical AI awareness, autonomy, teamwork, adaptability, strong communication, adaptability.

## Technical skills

### AI & Data Science

ML, DL, NLP, LLM, RAG, TensorFlow, PyTorch, Scikit-learn, Keras, LangChain, NumPy, Pandas, Seaborn, Matplotlib.

### Development & Systems

Python, Streamlit, HTML5/CSS3, Java, ChromaDB, MySQL.

### Tools & Practices

Git, Jira, Jupyter, VS Code, Azure (basics) Google Colab, Agile/Scrum, CI/CD basics, scalable system design, monitoring.

## Languages

### French

Fluent

### English

Intermediate

### Arabic

Native

## Summary

AI Engineer with a strong full-stack profile specializing in RAG-enhanced AI and conversational systems. Skilled in integrating LLM APIs, designing front-end interfaces, and building robust back-end architectures. Agile, product-oriented, and ethically minded eager to contribute to the development and industrialization of sustainable AI solutions.

## Experience

### 3D Smart Factory

Feb to Jul 2025

AI Engineer Intern (RAG & LLM Systems)

Mohammedia

- Designed and implemented an RAG-based conversational interface, integrating LLaMA via LangChain, with semantic search using ChromaDB.
- Developed a web interface (Streamlit) for uploading and querying various document formats (PDF, DOCX, TXT, CSV).
- Adopted Agile/Scrum methodology using Jira; participated in sprint planning and remote team meetings.

## Academic Projects

- Tifinagh Handwritten Recognition* : CNN-based preprocessing and classification pipeline.
- Image Captioning* : build VGG16 encoder + LSTM decoder for descriptive text generation.
- Bank Fraud Detection* : compare between supervised classification models (Random Forest, Logistic Regression, Decision Trees).
- MNIST Digit Classification* : build CNN (LeNet) architecture for handwritten digit recognition.

## Additional Roles

- Freelance CRM & Sales Assistant* — Germania Autos, Egypt, 2024: client management, CRM updates (Odoo), client outreach.
- IT Intern (IT department)* — Commune of Taza, 2022: administrative data entry and coordination.

## Education

### Faculty of Science of Kenitra, Kenitra

2023 – 2025

Master's in Artificial Intelligence and Virtual Reality

### Multidisciplinary Faculty of Taza, Taza

2019 – 2023

Bachelor's Degree in Computer Engineering

## Volunteering

### Pragnomos Club

since 2024

Logistics Member

Kénitra

- Coordinated AI-related events and onboarding sessions for new students.