

# ANASS BENAMARA



## AI ENGINEER

### CONTACT

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in Anass Benamara

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### PROFILE

Final-year **Artificial Intelligence and Data Science engineering student** at ENSAM Meknès, currently pursuing a dual Master's degree in Intelligent, Interactive, and Autonomous Systems (IMT Atlantique, ENIB, UBO). Skilled in NLP, machine learning, and agent-based systems, with a strong interest in AI-driven solutions. Seeking a full-time position (CDI) in Germany starting October 2026.

### SKILLS

- **Programming** : Python, C, C++, C#, JavaScript, Java, SQL, Kotlin
- **Tools** : LangGraph, HuggingFace, PyTorch, Transformers, Pandas, Scikit-learn, n8n, Django, React
- **Methods** : NLP, LLMs Agents & RAG, Fine-tuning, LoRA/QLoRA, MCP, Machine Learning, Git, Docker
- **Soft Skills** : Adaptability, Problem-solving, Communication

### LANGUAGES

English : **C1**

Frensh : **C1**

Arabic : **Native**

### INTERESTS

Natural language processing

Big Data

Competitive Programming

## EDUCATION

- ◇ **MASTER (M2) IN INTELLIGENT, INTERACTIVE, AND AUTONOMOUS SYSTEMS** – ENIB, IMT Atlantique, UBO, Brest France. **2025 – Present**
- ◇ **ENGINEERING DEGREE: AI AND DATA SCIENCE FOR INDUSTRIAL ENGINEERING** – ENSAM Meknès. **2023 – Present**
- ◇ **PREPARATORY CYCLE** – ENSAM Meknès. **2021 – 2023**
- ◇ **BACCALAUREATE IN MATHEMATICAL SCIENCES** – Lycée Moussa Ibn Noussair, Morocco. **2020 – 2021**

## PROFESSIONAL EXPERIENCES

### GRADUATION INTERNSHIP – VINCI ENERGIES (March – September 2026)

- ◇ **Project**: Architecting and developing agent-based AI systems for performance analysis and optimization of energy power plants
- ◇ Fine-tuning and deploying open-source LLMs on secure, domain-specific technical documentation

### FINAL-YEAR INTERNSHIP – YAZAKI (July – September 2025)

- ◇ **Project**: Developed a data-driven approach to unify product references, improving stock management and changeover time using Pandas
- ◇ **Results** : 15% optimization of storage space and 10% reduction in changeover time

### INTERNSHIP – PROVINCE OF KHÉMISSET (July – August 2024)

- ◇ **Project** : Design and development of an absence management system using Django and MySQL
- ◇ **Results** : Full digitalization of the absence management process

## ACADEMIC PROJECTS

### LOCAL LLMs FOR SECURE PATENT ANALYSIS

- ◇ Developing an NLP pipeline for patent analysis using embeddings, RAG, and controlled generation with local LLMs

### SPEECH TRANSLATION SYSTEM FOR THE MOROCCAN DIALECT (DARIJA)

- ◇ Fine-tuning Wav2Vec2 for ASR in Moroccan Darija, including audio data preprocessing and transcription

### MULTI-AGENT SMART ROOM AUTOMATION

- ◇ Designing and implementing a multi-agent system powered by NLP models to control smart devices (AC, TV, projector)

## EXTRACURRICULAR ACTIVITIES

- ◇ **TECHNICAL LEAD – GENOS AI CLUB** - ENSAM MEKNÈS
- ◇ **PROGRAMMING COMPETITIONS (AMPC & UPF CODING CHALLENGE)**: Participating in and organizing competitive programming events .

## CERTIFICATIONS

- ◇ **MACHINE LEARNING SPECIALISATION** – STANFORD ONLINE
- ◇ **AI AGENTS FUNDAMENTALS** – HUGGING FACE.