



BEN MOUSSA Anouar



Software Engineer | Generative AI Engineer | Cloud Architect

Software Engineering student specializing in **Generative AI** and **Cloud Architecture**. Seeking **6-month** end-of-studies internship starting **February 2026**. Skilled in machine learning and full-stack development (React, NextJs). Proven ability to build AI agents & AI applications.

CONTACT

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- ✉ anouar-benmoussa@outlook.com
- in [Anouar Ben Moussa](#)
- github github.com/anouar-bm
- 📍 Marrakech, Morocco
- 🌐 Mobility: national and international

SKILLS

Languages: Python, Java, C++, C#, SQL, JavaScript/TypeScript
AI/ML: Deep Learning, LLM, RAG, LangChain, LangGraph, MCP
Workflow Automation: n8n
Backend: FastAPI, Django, Flask, Spring Boot, Node.js, RESTful APIs
Frontend: React, Next.js, React Native, HTML5, Tailwind CSS
Cloud & DevOps: Docker, Kubernetes, Azure (DevOps, Pipelines), CI/CD, Linux
Databases: PostgreSQL, MySQL, MongoDB, SQLite, Oracle, SQL Server
Big Data & Streaming: Hadoop, ETL, Data Pipelines
Architecture: Microservices, MVC, Clean Architecture, Design Patterns
Testing & Tools: Git, Pytest, Jest, Playwright, Postman, Agile/Scrum, Unit/API/UI Testing
Soft Skills: Teamwork, System Design, Problem Solving, Technical Leadership

LANGUAGES

- **Arabic:** Native
- **English:** Fluent
- **French:** Intermediate

INTERESTS

- Chess
- Taekwondo
- Volunteering (Honorary Member, Moroccan Road Safety Organization)

EDUCATION

Moroccan School of Engineering Sciences (EMSI), Marrakech

- Master in Artificial Intelligence IA2 (University Côte d'Azur, 2025 - 2026)
- Engineering Cycle, Computer Science & Networks - MIAGE option (2024–2026, present)
- Integrated Preparatory Cycle, Computer Science & Networks (2021 - 2023)

High School Rahali Elfarouk, El Attaouia (2018 – 2021)

International Baccalaureate, Physical Sciences track

PROFESSIONAL EXPERIENCE

Machine Learning Intern — AI Akhawayn University, Ifrane | July 2025 – September 2025

Project: Predicting student dropout risk using Neural ODE on time series data

- Designed Neural ODE predictor hitting 86.23% F1-score with ETL and stratified splits
- Optimized Optuna tuning (34 trials); evaluated RK4 / DOPRI5 / DOPRI8 trade-offs
- Implemented k-fold eval (AUROC, F1, PR, log loss); derived SHAP insights
- Built end-to-end ML pipeline and deployed MCP server for model access
- **Tech :** PyTorch, TorchODE, Optuna, SHAP, scikit-learn, Streamlit, FASTMCP

Generative AI Intern — LPRI (EMSI), Casablanca | July 2024 – September 2024

Project: Developing a multimodal LLM to preserve Marrakech's cultural heritage

- Developed a RAG pipeline with automated embeddings (LangChain + ChromaDB)
- Built LLM-as-judge QA system for automated RAG evaluation and quality validation
- Implemented a multilingual translation module using Facebook NLLB and Langdetect
- Integrated Ollama LLM API into a FastAPI backend for retrieval-based search
- **Tech :** LangChain, Ollama LLM, ChromaDB, FastAPI, SQLite, Langdetect.

Software Developer Intern — Launchpad, Marrakech | June 2024 – August 2024

Project: Development of a multi-tenant CRM application for car rental companies

- Developed multi-tenant CRM via Strapi REST APIs for client / contract modules
- Designed front & back logic in Visily + interface for client / contract flows
- Generated and rendered client / contract PDFs with React-PDF; deployed on Vercel
- **Tech :** Next.js, Strapi, React-PDF, Visily, Vercel, Node.js

ACADEMIC PROJECTS

- **Pharmacy Stock Management System:** enterprise-grade web and mobile inventory system with multi-tenant architecture, expired product management, deployed on Azure AKS with auto pipelines. **Tech:** React, Node.js, React Native, Azure AKS, Kubernetes, CI/CD, Docker
- **Banking Desktop Application** Secure financial desktop application with MVC architecture, transaction management, and SQL agent chatbot for query processing. **Tech:** Java, JavaFX, Groq API, SQL, Unit Testing, MVC Architecture

Hackathon Experience

- **Lablab.ai - AI Prompt Optimizer:** Streamlit app with Docker deployment, MCP integration
- **AUI - SmartBite:** ML pipeline with PyTorch, Gradio deployment, Computer Vision APIs
- **Cursor Community - Job Matching :** Next.js, MongoDB Atlas, Vector Search, LangChain

CERTIFICATIONS

- 5-Day Generative AI Intensive **Kaggle & Google**
- OCI 2025 Certified Generative AI Professional **ORACLE**
- Model Context Protocol: Advanced Topics **Anthropic**