



# Badr Laklach

Software Engineering Student

National School of Arts and Crafts (ENSAM), Meknes  
Software Engineering & Intelligent Systems — 4th Year

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badr-laklach

BadrLaklach

Morocco



[Portfolio](#)

## Professional Profile

Software Engineering student specializing in the synergy between **AI and DevOps**. OCI-certified **Data Science Professional** with experience in containerizing models and building RAG-based SaaS architectures. Highly enthusiastic about contributing to high-impact projects and expanding my engineering horizons during a **2-month PFA internship** (July–August 2026).

## Education

- National School of Arts and Crafts (ENSAM), Meknes** 2nd Year – In Progress  
*Engineering Degree in Software Engineering & Intelligent Systems* 2024 – Present
- National School of Arts and Crafts (ENSAM), Meknes** Completed  
*Integrated Classe Préparatoire (CPGE)* 2022 – 2024
- Baccalaureate in Mathematical Sciences A** 2022  
*Honors: Good*

## Certifications

- Oracle Cloud Infrastructure 2025 – Data Science Professional** Oct 2025  
*Oracle | Python, ML development, MLOps, cloud-based AI deployment*
- Oracle Cloud Infrastructure 2025 – Foundations Associate** Oct 2025  
*Oracle | Cloud architecture, IAM, networking, compute, storage, databases*
- PCEP – Certified Entry-Level Python Programmer** Aug 2025  
*Python Institute via Cisco Networking Academy*

## Experience

- Mobile Developer Intern** Meknes, Morocco  
*Med You In (On-site)* Jul 2025 – Aug 2025
  - Built production Flutter apps (HR Admin & E-commerce) with sub-3s launch times.
  - Implemented secure auth with Supabase and Google OAuth 2.0; utilized Clean Architecture.
  - Managed UI state with GetX; built automated HR analytics dashboards.

## Projects

- DokuMind — Enterprise SaaS Knowledge Management Platform (In Progress)**  
*Spring Boot | React | LangChain | ChromaDB | Ollama/Mistral | PostgreSQL | Docker*
  - Building a multi-tenant SaaS platform using RAG pipelines with local LLMs (Mistral) for private document Q&A.
  - Designed role-based access control with strict tenant isolation and automated quiz generation.
- DariPredictor — End-to-End Real Estate Prediction Web Application**  
*Python | XGBoost | FastAPI | React/Vite | Docker*
  - Scraped ~20k listings; Stacking Ensemble model achieved  $R^2=0.842$ .
  - Deployed responsive platform with Docker, async FastAPI backend, and React/Vite frontend.
- Anomaly Detection in Time Series — LSTM & ML**  
*Python | LSTM | Isolation Forest | scikit-learn | Pandas*
  - Built anomaly detection framework on AWS EC2 data using MAD, Isolation Forest, and LSTM autoencoders.
- IoT Smart Office — Cisco Packet Tracer Simulation**  
*Cisco Packet Tracer | IoT | Networking | VLAN | DHCP*
  - Simulated full IoT environment with automated lighting and security; configured VLANs and inter-VLAN routing.
- XP-FIT — Gamified Fitness Mobile Application**  
*Flutter | REST APIs | UI/UX Design*
  - Led UI/UX design and built XP reward system; integrated fitness/nutrition APIs.

## Activities & Leadership

- MoroccoAI Hackathon — Participant** 2024  
*Gadz'IT Club | Built an AI-based solution with a multidisciplinary team*
- ENSAM Student Clubs — Active Member** 2022 – 2024  
*CS & Music Clubs | Co-organizer ENSAM Forum 21st ed. | Integration Week Tutor*

## Technical Skills

**Languages:** Python, Java, C++, C, JavaScript, Dart, SQL, Bash, VBA

**Mobile & Web:** Flutter, GetX, React, Vite, FastAPI, Node.js, Express.js, Spring Boot, JavaFX

**ML / Data Science:** XGBoost, LightGBM, CatBoost, scikit-learn, TensorFlow, Pandas, NumPy

**Databases:** PostgreSQL, MySQL, MongoDB, Supabase, Oracle

**DevOps & Tools:** Git, Docker, Firebase, Android Studio, IntelliJ, VS Code

**Languages:** Arabic (Native), French (C1), English (C1)

## Interests

**Music:** Guitarist, beat production    **Sports:** Gym training    **Tech:** AI & Data Science