

HAITHAM ELMEKAOUI

Full Stack & AI Engineer · Founder, Maroc AI · ENSAM Rabat

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github.com/ElmeKaouiHaitham · haitham-elm.vercel.app

PROFILE

I build and ship full-stack products and AI systems. I founded Maroc AI, competed in hackathons across Morocco and Europe, and have delivered production ML systems for real clients. I'm entering web3 as a builder — bringing full-stack engineering depth and AI expertise to the Ethereum ecosystem.

ENTREPRENEURSHIP

Founder & Lead Engineer — Maroc AI

Rabat, Morocco | 2024 – Present

- AI platform helping Moroccan citizens navigate administrative procedures — LLM fine-tuned on Darija, agentic RAG pipeline with custom scraping
- Production full-stack architecture: FastAPI backend, PostgreSQL + Supabase database layer, Next.js frontend, Docker containers, Vercel deployment
- Real investor interest expressed after a live demo
- Stack:** Next.js · FastAPI · LangChain · LLaMA (fine-tuned) · PostgreSQL · Supabase · Docker · Vercel

COMPETITIONS & HACKATHONS

START Hack 2026 — Challenge: Chain IQ Group AG

Saint-Gallen, Switzerland | 2026 · 36 hours

- One of two representatives from ENSAM Rabat and Morocco in this European hackathon
- Built ARIA (Audit-Ready Intelligence Agent): end-to-end agentic pipeline that transforms disorganized emails into structured, auditable purchasing decisions
- LLM parsing (Quantity, Budget, Deadlines), real-time compliance verification, human escalation for ambiguous cases, complete audit trail
- Stack: Python · FastAPI · TypeScript · Next.js · GitHub: github.com/ElmeKaouiHaitham/starthack-

Afric'Artech Hackathon 2026 — 2nd Place — Inaugural Edition

Morocco | 2026

- AI solution to transform the in-stadium fan experience — real-time data pipeline + interactive elements

Capgemini Techathon 2025 — 4th Place Nationally

Morocco | 2025

- 4th place across all Moroccan engineering schools — theme: "Smarter World with AI"

SELECTED PROJECTS

ChatooAI — WhatsApp AI SaaS Platform

- Multi-tenant platform for creating, configuring, and managing AI-powered WhatsApp bots from a web dashboard
- QR-code bot connection, bot settings, usage analytics, billing, and admin screens — SaaS-ready architecture
- Stack:** Next.js · Node.js/Express · Firebase · Baileys · OpenRouter API
- Live:** chatooai.vercel.app · GitHub: github.com/ElmeKaouiHaitham/chatooAI

Kalyma.ma — AI English Learning Platform

- AI-powered language learning platform: adaptive content, AI conversation practice, personalized learning roadmaps
- Stack:** Next.js · TypeScript · Tailwind CSS · deployed on Vercel
- Live:** kalyma.vercel.app · GitHub: github.com/ElmeKaouiHaitham/kalyma

PROFESSIONAL EXPERIENCE

Freelance Full Stack & AI Engineer — Upwork & Direct Clients

Remote | 2024 – Present

- Inventors Edge** — Patent lead gen system: USPTO monitoring with fine-tuned SetFit classifier — **96% Recall, 86% F1-Score**, 50+ qualified leads generated
- Dashboard live:** inventors-edge-lead-gen.vercel.app · Stack: Python · SetFit · Next.js · TypeScript
- PolicyBoss** — NLP content intelligence: trend analysis tool that reduced content creation time by **68%** and improved engagement metrics

- **Live:** thepolicyboss.org · GitHub: github.com/ElmekaouiHaitham/thepolicyboss · Stack: Next.js · TypeScript · NLP pipeline

EDUCATION & CERTIFICATIONS

Engineering Student — Digital Engineering, Data Science & AI — ENSAM Rabat *Morocco* | 2024 – Present

- **Rank:** 21st / 261
- **Machine Learning Specialization** — DeepLearning.AI / Stanford University
- **Software Architecture & Design Patterns** — University of Alberta

TECHNICAL SKILLS

Full Stack: Next.js · React · Node.js/Express · FastAPI · PostgreSQL · Supabase · Firebase · REST APIs · Docker · Git · Vercel

AI / ML: LLM Fine-tuning (SetFit, LLaMA) · RAG · Agents (LangChain, n8n) · Deep Learning · Computer Vision · Scikit-learn

Languages: Python · TypeScript / JavaScript · SQL · C++

Design: Figma · UI/UX

Spoken: Arabic (native) · French (fluent) · English (fluent — 17.7/20)