ALOUANI HATIM

+212615359651 | alouanihatim01@gmail.com | CASABLANCA

AI Software Engineering student at Um6p - 1337 Coding School, passionate about building scalable systems and intelligent solutions, with a strong focus on AI, Machine Learning, Data Science, NLP/LLMs, and Big Data. I combine AI expertise with hands-on full-stack web development experience to create impactful, real-world applications.

EDUCATION

- Common Core - 1337 Coding School Khouribga (2023 - 2025)
  - Software Engineering student with focus on system programming, algorithms, and full-stack development.
- Bachelor's Degree in Information Systems and Artificial Intelligence - FP Khouribga (2024 - 2025)
  - Specialization: Computer Science, Artificial Intelligence, Data Science, and Advanced Data Analytics

EXPERIENCE

- AI Software Engineer Intern at A2XCORP (October 2025 - December 2025) - Remote
  - Built AI-AUDIT, a 3D avatar chatbot that functions as an AI assistant, using UNITH, Next.js, Node.js, PostgreSQL and OpenAI
- AI Software Engineer Intern at Talio Talent (December 2025 - January 2026) - Remote
  - Build Talio AI Assistant Full-stack web application featuring a fully local AI chatbot for Talio Talent Company, using Next.js, Node.js, Fast API and SQLite. Implemented RAG pipelines with LangChain, Vector Embeddings and Ollama LLM (Qwen 14B) for intelligent responses
  - Designed and implemented automated workflows using n8n, including billing automation, user feedback systems, and dynamic form creation. Integrated APIs and AI assistants to streamline internal operations, improve data collection, boost overall productivity and helped develop taliotalent.com
- Freelance Web Developer (December 2025 - January 2026) - Remote
  - Contributed as part of the team to develop sijilpharma.com using Gatsby.js

TECHNICAL SKILLS

- Programming & Scripting: C, C++, Python, Shell Scripting, JavaScript/TypeScript
- Machine Learning: Scikit-learn, Pandas, Matplotlib, TensorFlow, Keras, PyTorch
- NLP & LLMs: SpaCy, NLTK, LLaMA, Hugging Face, RAG, LangChain
- AI & Automation: AI automation pipelines, orchestration using n8n
- Web Development: React.js, Next.js, Tailwind CSS, Node.js, WordPress, Nginx
- Databases: MySQL, PostgreSQL, MariaDB, SQLite, Cassandra
- DevOps & Cloud: Git, Docker, Grafana, Prometheus, ELK Stack, AWS
- Big Data: Spark, Hadoop, Kafka, PowerBi

PROJECTS

- **ChatOCP- Fully Local Chatbot:** (hackathon project) Full-stack web application featuring a fully local AI chatbot for acide phosphorique with RAG pipelines implemented using LangChain and Ollama LLM (Qwen 7B). Ensures all data processing and model inference happens locally.
- **Product Recommendation Engine:** Created a recommendation system similar to Amazon, combining TensorFlow, Flask, PostgreSQL, HTML, CSS, Java Script and web scraping, fully containerized with Docker
- **Courses Recommendation System:** Implemented a personalized course recommendation system using Big Data tools, Hadoop, PySpark with the ALS algorithm, Cassandra, and Python for large-scale data processing.
- **COVID-19 Vaccine Sentiment Analysis:** Developed an NLP model using Python to analyze Twitter sentiment about COVID-19 vaccines using NLTK, TF-IDF Vectorizer, and Random Forest Classifier with comprehensive evaluation metrics.
- **Transcendence:** a real-time multiplayer ping pong web app built with Next.js, Fastify, and TypeScript, featuring secure authentication, matchmaking, live gameplay via WebSockets, and a modern SPA interface, fully containerized with Docker for scalable deployment
- **Data Warehouse Management:** built a data warehouse system for retail analytics using Hadoop, Cassandra, and Python for efficient big data processing and storage