MOHAMED CHATR

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EDUCATION

ALX AFRICA (Powered By Holberton School)   **Casablanca, Morocco**
- Software Engineering (Backend Specialization)   September 2024
- **Relevant coursework**: Data Structures & Algorithms, Object-Oriented Programming.

Hassan II university of Casablanca (Faculty of sciences Ain chock)   **Casablanca, Morocco**
- Professional bachelor's degree: Electrical engineering and industrial automation.   September 2021- July2022
- **Relevant coursework**: Power electronics, Sensor instrumentation, Control systems, Entrepreneurship and business culture.

Design Project (Graduation project): Electrical design and system control of an air handling unit (AHU).

Al Khawarizmy school   **Casablanca, Morocco**
- Associate degree: Electromechanical and automated systems.   September 2018- August 2020
- **Relevant coursework**: Fundamentals of industrial automation, Control systems, Applied physics, Expression and communication techniques.

Design Project (Graduation project): Small-scale load elevator: A case study from an electromechanical aspect.

SKILLS

Programming: HTML/CSS, JavaScript, React.js, Bash Scripting.

Tools: Vim, Visual Studio Code, Git, Github.

EXPERIENCE

SWE Fellow   **Remote**

Headstarter AI   July 2024 – September 2024
- Built 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk.
- Worked in a Team of 3 to develop an interactive customer support agent using Next.js, integrated a custome RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base.
- Collaborated with 3 Fellows to build a product that generates dynamic flashcards based on any topic using the Llama 3.1 LLM.
- Implemented a web scraper that automatically extracts data from Rate my Professor and upsert to a Pinecone index, integrated with a RAG pipeline using LangChain and OpenAI GPT-4o to get up-to-date and relevant answers to user queries.
- Participate in weekly sessions with engineers from Google, Y Combinator, Standford, Amazon and venture-backed startups.

All In Africa Alumni   **Remote**
All In Open Source   May 2024 – July 2024
- Learned the fundamentals of open source as well as how to contribute to projects through the use of Github.
- Made basic contributions to various open sourced repositories.
- Gained valuable insights through weekly sessions hosted by senior profils in the field of open source.

PERSONAL PROJECTS AND SKILLS

Personal project:
- Launched a newsletter called Tech Bytes that shares content about cutting-edge technologies in various fields like AI, blockchain as well as practical dev concepts to level up your skills.

Languages:
- English: Full Professional Proficiency.
- French: Full Professional proficiency.
- Arabic (Native language).

Interests:
- Volunteering in ECO projects, meaningful tech initiatives.
- Contributing to open source project.
- Participating in hackathons and coding competitions.