



# ZAKARIA AMCHICH

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## SUMMARY

Full-stack developer and Junior Data Scientist with a B.Sc. in Computer Science. Strong background in MERN stack, and AI solutions. Passionate about using technology to solve real-world challenges. Experienced in software development. Founder of CRM Aven and Fhamni Academy.

## EDUCATION

- Software Engineer at Helberton school & Alx** *Dec 2022 - Aug 2024*
- Programming Languages: Python, C, Shell Scripting
  - Full-Stack Development: Python/Django, React, Front-end/Back-end Integration
- Data Scientist at ALX in partnership with ExploreAI Academy** *Sept 2023 - Aug 2024*
- Data Analysis: Data Cleaning, Data Wrangling, Statistical Analysis, Power BI
  - Machine Learning: Supervised/Unsupervised Learning, Model Evaluation, Python Libraries (Pandas, NumPy, Scikit-learn)
  - Big Data: Working with large datasets, SQL, Data Visualization (Matplotlib, Seaborn)
- BSc Computer Science at FSAC - University Hassan II** *Sep 2018 - Jul 2022*
- Relevant Coursework: Algorithms, Data Structures, Software Engineering, Database Systems, Web Development, Applied Mathematics

## WORK EXPERIENCE

- Founder & Full-Stack Developer CRM Aven** *Aug 2024 - Present*
- Led platform development and managed all aspects of CRM Aven
- AI Chat Application ALX Final Project** *July 2024 - Aug 2024*
- **Technologies:** MERN Stack, Vite, Clerk, Gemini API
  - Built an AI chat application with real-time messaging and image upload features.
  - Integrated Gemini's API for NLP, enhancing chatbot interactions.
- AI Image Generator || Academic Project || ALX** *April 2024 - May 2024*
- **Technologies:** Python, Hugging Face, Thinker library
  - Developed a desktop application for image generation using a pre-trained model.
- Mobile Chat Application || PFE of B.Sc. in Computer Science** *Feb 2022 - July 2022*
- **Technologies:** Flutter, WebSocket.io
  - Built a real-time messaging app with cross-platform support.

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, JavaScript, Shell Scripting, Php
- **Frontend:** React.js, Vite, HTML5, CSS3, Flutter
- **Backend:** Node.js, Express.js, Django, Laravel
- **Databases:** MongoDB, MySQL, PostgreSQL
- **AI & Data Science:** TensorFlow, Hugging Face, Pandas, Scikit-learn
- **Tools & DevOps:** Git, Docker, WebSocket.io

## CERTIFICATIONS & ADDITIONAL INFORMATION

- **Programming Foundations** (Duke University)
- **Digital Marketing** (São Paulo)
- **Languages:** English, French, Arabic