






Zakaria ahrbil

Software Engineering Student

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 Agadir, Maroc



Profile

Third-year Software Engineering student at 'École Nationale des Sciences Appliquées d'Agadir, regularly exploring web development, artificial intelligence, and graphic design. Currently working on gaining practical skills and experience in full-stack development, UI/UX design, and project management through project based training and self studying. Passionate about creating appealing digital experiences and also to progress both in software engineering and creative design fields.

Education

Software Engineering

National School of Applied Sciences
2023 – 2026 | Agadir

Preparatory Cycle

National School of Applied Sciences
2021 – 2023 | Agadir

Electrical & Mechanical Engineering

Faculty of Science and Technology
2020 – 2021 | Tanger

Baccalaureate in Mechanical Science and Technology

Ibn Soulaïmane Rasmouki High School
2018 – 2020 | Tiznit

Professional Experiences

Full-stack developer and graphic designer intern

Mondial Berry

06/2025 – 07/2025 | Agadir

Redesigned and developed the company website to enhance usability and visual appeal.

Developed a mobile application for creating and managing product quality reports, enabling efficient real-time tracking. Automated internal workflows to streamline operations.

Created engaging social media content to strengthen the company's online presence.

Prepared professional presentations for internal meetings.

Back-End developer Intern

Stemos

02/2025 – 05/2025 | Ait Melloul

Contributed to the development and optimization of the backend solution for the year-end project focused on enhancing administrative documents using AI (OCR, LLM, RAG).

Skills

Web Development — HTML, CSS, Tailwind CSS, React.js, Next.js, Spring Boot

Programming Languages — Java, C++, C#, Python, JavaScript, XML

Python Frameworks & Tools — FastAPI, Conda, LlamaCpp

Design & UI/UX — Figma, Adobe Photoshop, Adobe Illustrator

Version Control — Git

Databases — MySQL, Oracle, SQLite, Firebase, Supabase

Hosting & Deployment — Vercel, cPanel

Mobile Development — React Native, Expo, NativeWind

Projects

Mobile Berry Examination (MBE) App

Designed and developed an Android application using Expo and React Native for streamlining the quality control of blackberries and raspberries. Integrated multi-step data entry, image capture, and PDF reporting to enhance the berry inspection workflow in field operations

Technologies: Expo, React Native, Php, Supabase (Auth), MySQL (cPanel), NativeWind (Tailwind for React Native), Git, GitHub

Website Development for Mondial Berry

Design and development of a website showcasing Mondial Berry's expertise in the cultivation and export of premium red fruits, highlighting their commitment to sustainability and strong presence in European and Middle Eastern markets.

Technologies : Figma, Next.js, Git, GitHub, Vercel, Tailwind, Framer Motion

Year-End Project – Automation of Administrative Document Extraction Using AI

Development of an on-premise solution combining Real-ESRGAN, specialized OCRs, and the AceGPT-8B LLM with RAG functionality for structured extraction and intelligent search within documents, optimized for local servers.

Technologies : Python, FastAPI, LlamaCpp, Next.js, Conda, PyTorch

Agile Project Management Web App

Backend development using Spring Boot for an Agile project management application. Implementation of user stories, epics, sprints, and product backlog task management. Integration of authentication and security features via JWT to protect data. API documented with Swagger.

Technologies : Spring Boot, JWT, MySQL, Swagger

Development of a School Management Web Application

Design and development of a full-stack application for managing classes and timetables. Backend in Java, frontend in Next.js, MySQL database.

Technologies : Java, Next.js, MySQL

Design and Development of the Website for the ENSA Agadir Student Association

Design and development of the website providing updates, information about clubs, and news.

Technologies : Figma, Next.js, HTML, Tailwind, Git, GitHub, Vercel

Clubs and Organizations

Designer and Social Media Manager

ADE ENSAA

2023 – 2024

Designer and Social Media Manager

JEEA

2023 – 2024

Languages

English

Intermediate

French

Intermediate

Arabic

Native