

Ahmed Yacine Bouchouareb

AI & Software Development Specialist

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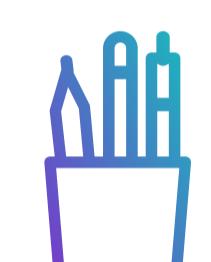
Profile

Holding both an engineering and a master's degree in Artificial Intelligence and Data Science. With expertise in full-stack software development and a focus on front-end technologies, I am also proficient in mobile development using Flutter and backend integration. Blending AI and software development, I enjoy crafting smart, functional systems that solve problems efficiently and push the boundaries of what's possible with code.



Main Skills

- Full-Stack Development
- Mobile Development
- Machine Learning & Data Science



Tools & Languages

- React Js (Next , Remix)
- Flutter (familiarity with native android)
- Laravel , Express js , FastApi
- Sql , Graphql , MongoDB
- Python , pytorch , keras , pandas
- Git/Github
- Familarity with Docker



Work Experiences

April 2025 - Current

Wego (Ecommerce CMS)



Full-Stack Software Engineer

Developed and enhanced an AI-powered e-commerce CMS, focusing on order automation, third-party integrations, and intelligent customer interactions.

- Added role-based access control and order dispatch workflows.
- Integrated multiple delivery company APIs.
- Built LangChain-powered product content generation tools.
- Created migration extensions for other CMSs (Shopify , woocommerce ..).
- Developed a WhatsApp AI chatbot and interactive order confirmation templates.

Jan. 2025 - Apr. 2025

WZM Technologies

Full-Stack Software Engineer

- Built and maintained features for a multi-vendor e-commerce application using Remix.js , Prisma , and GraphQL .
- Designed and implemented a web scraping and SERP analysis tool for market intelligence and commercial data extraction.

Feb. 2024 - Jul. 2024

Université de Sherbrooke,
Canada

Research Intern in Artificial Intelligence

Studied model robustness to adversarial attacks and built an automated pipeline for generating and classifying adversarial samples in anomaly detection.

- Conducted a literature review on the robustness of machine learning against adversarial attacks.
- Developed a pipeline to automate the generation and classification of adversarial attacks in the context of anomaly detection.

2022 - 2024

Self-Employed

Freelance

Designed and developed custom web and mobile applications for various clients, delivering full-stack solutions with modern frameworks and responsive interfaces.

- **Khutwa Guide** – mobile app to help pilgrimage guides manage pilgrims, including hotel room arrangements
- **Rayhane** – e-learning mobile app with payment, multilingual support, ratings, etc.
- **A translation platform** – freelance project using NLP models, deployed on AWS, connected to a web front end



Trainings & Education —

- ECOLE SUPÉRIEURE EN SCIENCES ET TECHNOLOGIES DE L'INFORMATIQUE ET DU NUMÉRIQUE (ESTIN) - **2021 / 2024**
- ECOLE NATIONALE SUPERIEURE D'INFORMATIQUE (ESI) - **2019 / 2021**
- Machine Learning (12 weeks course by AndrewNG)
- Deep Learning (4 weeks course by AndrewNG)
- Responsive Web Design (300 hours course from freecodeCamp)
- Rest on my portfolio



Languages —

- English: technical, conversational,
- Arabic: Native,
- French: C2 (TCF 2023)



Side Projects —

- **Kurio App** – A mobile application using generative AI to create educational content for children , won third place at the international hackathon "Africa to Silicon Valley."
- **Valorant Win Prediction** – From data collection to an AI-based web application for predicting victories in games.

The rest is available on my portfolio and GitHub account.  bayacineportfolio.netlify.app/