



Akram Abdelmouaiz Zennad

Software Engineer

Detail-oriented and motivated Software Engineering student (Ingénieur d'État) with a passion for building full-stack mobile and web applications. Specialized in Flutter, React, and Django REST, with proven experience integrating advanced AI capabilities like reasoning engines, STT, and TTS into production-ready projects. Seeking to leverage skills in clean architecture and modern development to contribute to a innovative tech team.



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SKILLS

Languages: Dart, Python, JavaScript/TypeScript, Java, C, PHP

Frontend: Flutter, React.js, HTML5, CSS3, Tailwind CSS, Responsive Design

Backend: Django REST Framework, Spring Boot

Databases: PostgreSQL, Supabase, SQLite, MySQL, Firestore

AI & LLMs: Hugging Face Agents, SmolAgents, STT, TTS, embeddings, DeepSeek API

Tools & DevOps: Git/GitHub, Docker, Google Cloud (Cloud Run), REST APIs, Websockets

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

French

Professional Working Proficiency

EDUCATION

State Engineer in Software Engineering (Ingénieur d'État)

University of Constantine 2 Abdelhamid Mehri

09/2022 - Present

Constantine, Algeria

CERTIFICATES

Hugging Face AI Agents Course

PERSONAL PROJECTS

Character AI Chat Application | Flutter, Django REST, DeepSeek, SmolAgents (10/2025 - 11/2025)

- Engineered a mobile chat application enabling dynamic conversations with custom AI characters
- Integrated Speech-to-Text (STT) and Text-to-Speech (TTS) for a seamless, multimodal user experience.
- Implemented a robust backend with Django REST and WebSockets for real-time communication, coupled with a PostgreSQL database.
- Leveraged the DeepSeek API and SmolAgents library for advanced AI reasoning and response generation.

Modern E-Commerce App | React + Flutter + Django REST + AI Agents (06/2025 - 08/2025)

- Developed a full-stack e-commerce solution with a React web admin dashboard and a Flutter mobile storefront.
- Implemented dynamic product filtering, orders, cart management
- Designed and built a scalable backend with Django REST Framework and integrated an AI-powered recommendation system.
- Managed state effectively in the Flutter app using Riverpod and in React using Context API.
- AI reasoning - DeepSeek + SmolAgents integration

E-Commerce Web App (HTML/CSS/JS/PHP) (04/2025 - 05/2025)

- Implemented Storefront + admin dashboard
- Products CRUD, cart, checkout, authentication
- Responsive UI
- Backend built in PHP

A-Learning (E-Learning Platform) | Flutter Web, Spring Boot, Supabase (11/2024 - 01/2025)

- Contributed to a role-based platform (Admin, Teacher, Student) for assignments, submissions, and grading.
- Developed the responsive front-end using Flutter Web and assisted in building backend APIs with Spring Boot.
- Utilized Supabase for secure authentication and efficient database management.

StockZen – Mini POS System | Flutter, SQLite (06/2024 - 08/2024)

- Built a production-ready Point-of-Sale (POS) application simulating a supermarket workflow.
- Features included barcode scanning, product/worker CRUD operations, and attendance tracking.
- Employed SQLite for reliable local data storage and offline functionality.

Flutter To-Do List App (Firebase) (03/2024 - 05/2024)

- Used Google Auth + Email Auth for Authentication
- Implemented local notifications for event tasks
- Used Firebase for firestore + auth