Mohammed Semai

Béjaïa, Algeria | 0542660481

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SUMMARY

Full Stack Developer and Artificial Intelligence student passionate about creating innovative and user-centered web and mobile applications. Motivated learner with strong problem-solving skills and a solid foundation in modern software development practices.

ONLINE PROFILES

LinkedIn: linkedin.com/in/mohammed-semai-097567333

GitHub: github.com/Semai-Mohamed

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, C, Java, R

Frontend: React, Next.js, Tailwind CSS, Framer Motion, Zustand, Zod, Toast, Axios, Apollo

Mobile: React Native, Expo

Backend: Node.js (Express, NestJS), RESTful APIs, GraphQL, WebSocket, Redis, Kafka, Jest, Supertest

Databases: PostgreSQL, Oracle, MongoDB

AI & Data Science: Pandas, NumPy, Scikit-learn, Machine Learning

Tools: Git, GitHub, Docker, VS Code, Postman

EXPERIENCE

Full Stack Developer – Freelance — Sept 2023 – Present
Independent Worker — *Béjaïa, Algeria*
- Designed and deployed multiple full stack applications using React, Next.js, Node.js, and Django.
- Developed cross-platform mobile applications using React Native and Expo.
- Built responsive interfaces with Tailwind CSS and Framer Motion.
- Integrated PostgreSQL and MongoDB with secure REST APIs.

Frontend Developer – Software Engineering Project — Sept 2024 – Dec 2024
Higher School of Computer Science and Digital Technologies (ESTIN) — *Béjaïa, Algeria*
- Developed the frontend using Next.js and Tailwind CSS with a focus on reactive UI/UX.
- Applied software engineering principles: UML, testing, and Scrum methodology.

Backend Developer – Academic Project (Module Project) — Jan 2024 – May 2025
Higher School of Computer Science and Digital Technologies (ESTIN) — *Béjaïa, Algeria*
- Developed backend with NestJS and Express, integrated PostgreSQL.
- Designed and implemented REST APIs for user management and data processing.
- Collaborated with a team integrating an AI model using Agile practices.

EDUCATION

Higher School of Computer Science and Digital Technologies (ESTIN) — Béjaïa, Algeria
Master in Artificial Intelligence (in progress) — *Sept 2025 – Present*
Specializing in intelligent systems, machine learning, and data-driven applications.

Higher School of Computer Science and Digital Technologies (ESTIN) — Béjaïa, Algeria
Bachelor in Computer Science — *Sept 2022 – May 2025*
Studied the fundamentals of computer science, algorithms, web development, and full stack application design through academic projects and teamwork.

LANGUAGES

Arabic: Native

English: Intermediate

French: Intermediate