

Mohamad Ali El Bakawi.

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Profile Summary:

Experience in **full stack web, mobile, and AI application development**. Skilled in designing and building software solutions from responsive web applications to complex mobile systems. Notable experience includes **developing a geospatial augmented reality navigation** engine using sensor fusion and computer vision, alongside **modern full stack web platforms**.

Education:

- American University of Science and Technology: BSc in Computer Science, (3.67GPA)** Zahle, Lebanon
10/2022 - 06/2025

Technical Skills:

- Frontend:** React, Next.js, HTML5, CSS3, JavaScript (ES6+), TypeScript.
- Mobile:** Android (Kotlin), Flutter, C++ (NDK).
- Backend/Cloud:** Firebase, Supabase, Vercel, FastAPI, Node.js, Prisma, PostgreSQL.
- Tools:** Git, GitHub, Docker, WSL, npm, Postman, Google Play Console, TestFlight, Hugging Face, MobSF.
- Programming:** Kotlin, Python, C, C++, Java, Dart.

Certifications:

- Certificate of Appreciation from Lebanese Minister of Technology **10/2025**
- React Bootcamp (Scrimba) **10/2025**
- Microsoft Azure AI 900 **06/2025**
- IELTS (Band 8/9) **01/2025**
- Michigan ECPE (C2) **12/2023**
- Harvard CS50 (CS50x, CS50AI) **09/2024**

Languages: English (Advanced), Arabic (Native).

Experience:

Full Stack Developer Intern at Techtalks: Remote, Lebanon

11/2025 - 01/2026

- Led a small development team and contributed to planning and delivery of full stack web features.
- Built and integrated features using React, npm, Prisma, and Supabase.

AI Workshop Instructor at American University of Science and Technology:

Zahle, Lebanon

09/2025 - 10/2025

- Instructed high school students over 6 weeks on gen AI concepts, AI types, and practical applications.
- Delivered structured workshops on AI, receiving a certificate from the Minister of Technology and AI.

Coding Camp Instructor at American University of Science and Technology:

Zahle, Bhamdoun, Lebanon

08/2025 - 09/2025

- Assisted in curriculum design and preparation for competitive coding bootcamp sessions.
- Mentored two student teams that placed 2nd in AUST Zahle and Bhamdoun coding camps.

Projects:

ARNavigation: Augmented Reality Engine:

Personal Project

09/2025 - Present

- Designed an **AR Engine** which utilizes **Sensor Fusion, GPS, ORB** and **heuristics**. Based on **Kotlin** and **C++**.
- Implemented a **Geospatial AR Navigation app** using the engine and APIs.
- Utilized **Proguard, MobSf** and Play Console to publish a responsive app on the **PlayStore**.

SmartCamera : Machine Learning Photo Editor:

Personal Project

02/2026 - 04/2026

- Implemented **MobileNet image classification** for photo editing.
- **Optimized performance** for low end Android devices (2GB RAM).

SkillXchange:

University Senior Project

12/2024 – 05/2025

- Designed and implemented system architecture, business logic, and GUI.
- Applied waterfall development methodology for performance and maintainability.
- Integrated multiple third party APIs securely.
- Developed AI based resume evaluation and job matching features.