Ahmed Eid Abd Algayed

AI-Focused IT Student · Team Leader, Wasla Tech · IT Engineering Trainee

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SUMMARY

AI-focused IT student at Borg El Arab Technological University who builds complete products with AI-assisted development: I design the architecture, direct AI tools, then review, harden and test what they produce. Team Leader at Wasla Tech and currently an IT Engineering Trainee at Alex Dream Language School. Previously a co-founder and AI Team Leader on RAFIQ, a bilingual offline-first healthcare assistant. Also hands-on with IoT, networking and cybersecurity.

EDUCATION

Information Technology (IT) — Borg El Arab Technological University (BATU) 2025 – Present
Currently in second year · First-year grade: Excellent

Industrial Secondary Education — Computer Department Graduated 2025
Alexandria Advanced Industrial Technical School (Military Foundation)

EXPERIENCE & LEADERSHIP

IT Engineering Trainee — Alex Dream Language School First semester 2026/27
Ongoing training, scheduled through the end of the first semester

- Provide school-wide IT support as part of practical training.

Team Leader — Wasla Tech Aug 2026 – Present

- Lead the Wasla team and co-created Wasla Tech, an Arabic YouTube channel about AI and technology.
- Built the team's operations dashboard: local-first and RTL-native, with a readiness dashboard, a dynamic task engine, CI deployment and automated tests.

Co-founder & AI Team Leader (former) — RAFIQ — BATU team project Mar – Jun 2026
Python · FastAPI · Ollama · Whisper · ChromaDB · Fastify · SQLite · MQTT · Electron · React · Supabase

- Co-founded the team and led the AI track of a bilingual (Arabic/English) assistant for home patients and elderly care.
- Three-layer architecture (AI service → backend → desktop GUI) in which the interface never talks to the AI directly.
- Offline-first voice pipeline: Whisper speech-to-text, a local LLM via Ollama with cloud fallback, text-to-speech, and RAG over ChromaDB; benchmarked RAG, caching and voice-activity detection.
- Local SQLite storage with asynchronous Supabase sync, so care continues without an internet connection.

Arduino & IoT Kits Trainee — Borg El Arab Technological University Completed · 3 months

- Organized and assembled Arduino and IoT educational kits in a hands-on technical training program.

Team Leader — Pulse of Egypt — high-school blood donation project

- Led the team that built a system linking blood donors with hospitals; owned system design, task coordination and delivery.

Cashier Assistant — Gomla Market May – Oct 2024

- Handled checkout and cash transactions and supported daily store operations.

PROJECTS github.com/alf-2006

BATU Connect — Academic WhatsApp Bridge

Solo project · React · Express · Socket.IO · Prisma · Baileys (WhatsApp) · Jest

- Students message faculty through a WhatsApp bridge without ever seeing lecturers' phone numbers (AES-256-GCM encryption); live replies over WebSockets; unit and integration tests.

Elahmed Retail Suite — Retail Management System

Solo project · React · Electron · SQLite · Express · Prisma · Playwright · Vitest · GitHub Actions

- Desktop and web system for small shops covering inventory, maintenance and delivery, with Playwright end-to-end tests and a CI/CD pipeline. (elahmed.vercel.app)

Royal Letters (Kataby) — Encrypted Messaging

Solo project · React · Vite · TypeScript · Supabase

- Write a private letter and share it through a unique link; server-side encryption and an audit log. (kataby.vercel.app)

Mobile Apps — FlutterFlow

FlutterFlow · Dart · Cursor AI

- Built mobile apps in FlutterFlow, using Cursor AI to improve code quality.

Other builds: IT Sum (peer-sharing platform for IT students) · QR Studio (dynamic QR code designer)

SKILLS

AI: Local LLMs (Ollama) · RAG (ChromaDB) · Speech-to-Text (Whisper) · Text-to-Speech

AI-assisted development: Claude Code · Cursor · GitHub Copilot · Lovable · Manus

Languages: Python · TypeScript · JavaScript · SQL (T-SQL) · C++ (ESP32) · Dart

Web & backend: React · Next.js · Vite · Tailwind CSS · Node.js · Express · Fastify · FastAPI · WebSockets · Electron

Data: Supabase · SQLite · SQL Server · Prisma · Database design

IoT & automation: ESP32 · Arduino · MQTT · KNX

Networking & security: Cisco networking fundamentals · Network setup & troubleshooting · AES-256-GCM · Cloud security (self-learning)

Testing & DevOps: Playwright · Vitest · Jest · GitHub Actions · Docker · Vercel

Other: FlutterFlow · Computer hardware maintenance

CERTIFICATIONS

- Google — AI Fundamentals (Coursera, 2026)
- Cisco — Introduction to Cybersecurity · Cybersecurity Essentials · IoT · JavaScript Basics
- KNX Automation Certification
- Satr Academy — Dart Programming
- FlutterFlow Development

ACTIVITIES

- Event Organizer — managed a college football tournament under the Head of Department.
- Volunteer — community event coordination and open-innovation projects for healthcare and public services.

LANGUAGES & SOFT SKILLS

Languages: Arabic (native) · English (A2)

Soft skills: Leadership · Teamwork · Communication · Initiative · Explaining technical concepts