Aymen Sedki

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SUMMARY

Full-Stack Software Engineering student with **2+ years of production experience** across 2 companies, shipping **35+ features** and resolving **30+ critical production issues**. Built AI-integrated applications including a physics-informed ML platform. Seeking a Full-Stack or AI Engineer internship. **English: C2.**

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java
Frontend: React.js, Next.js, React Native, Expo, Tailwind CSS, Redux Toolkit
Backend: NestJS, Express.js, FastAPI, GraphQL, WebSocket, REST APIs
AI & ML: LLM integration, Physics-informed ML, scikit-learn
Databases: PostgreSQL, MongoDB, MySQL, Prisma ORM, Sequelize ORM
Auth & Security: OAuth 2.0, JWT, NextAuth.js, Keycloak SSO, OTP
DevOps & Tools: Docker, Git, GitHub Actions

EDUCATION

Higher Institute of Applied Science and Technology of Sousse — *Sousse, Tunisia*
Engineering Degree in Software Engineering — Sep 2025 – Present *(Expected 2028)*
Integrated Preparatory Program (2-year pre-engineering curriculum) — Sep 2023 – May 2025

PROFESSIONAL EXPERIENCE

Ryovo — *Sousse, Tunisia*
Co-Founder & Chief Product Officer (CPO) — *Feb 2026 – Present*

- Engineered **20+ features** end-to-end (API design through deployment) with **zero critical regressions** over 10 consecutive releases.
- Redesigned the onboarding flow by auditing drop-off points, cutting activation steps and improving completion rate.
- Delivered **15+ product improvements** by translating user feedback into a prioritized engineering backlog.

Leafine — *Remote*
Full-Stack Software Engineer — *Sep 2025 – Feb 2026*

- Architected a production Shopify Embedded App with OAuth 2.0, session persistence, webhook handlers, and a bidirectional customer/product sync engine.
- Shipped **15+ features** across NestJS/React (auth, search, analytics, order pipeline) with no breaking deployments.
- Resolved **30+ critical bugs** in the sync engine and auth layer, eliminating race conditions in webhook processing.

PROJECTS

GreenDye [GitHub] | *Python, scikit-learn, FastAPI, Thermodynamic Modeling* — *2026*

- Co-developed a physics-informed ML platform integrating thermodynamic and process parameters to optimize supercritical CO_2 textile dyeing via predictive sustainability analytics.

Shields Up Hackathon Portal [GitHub] | *Next.js 16, TypeScript, MongoDB, NextAuth.js* — *2026*

- Architected a real-time competition platform for **150+ participants** with RBAC, live leaderboard, and automated scoring — shipped solo in 4 weeks.

Connecti [GitHub] | *Java, Java Swing, WebSocket, MySQL* — *2026*

- Built a bidirectional WebSocket messaging layer with concurrent session handling and MySQL persistence via a custom OOP event dispatcher.

LEADERSHIP & COMMUNITY

Google Developer Groups on Campus
Technical Lead (prev. Team Management Member) — *Oct 2024 – Present*

- Led organization and full-stack platform development for **Shields Up** and **Imgoster** hackathons (**150+ participants**); served as technical jury member evaluating **25+ projects**.
- Delivered a **4-session React workshop series** to 120+ students; mentored ENSIT Junior Entreprise members on frontend architecture.
- Coordinated a **30+ member** cross-functional team via Agile, achieving **100% on-time delivery** across 3 university events.

AWARDS

3rd Place: InNOChem AI × Green Chemistry Hackathon [GitHub] — *2026*
1st Place: Code Warriors Hackathon, ENET'Com Junior Entreprise — *Mar 2025*
2nd Place: Hack for Health 2.0, ATAST ISSATSO & ATAST FMS — *Jan 2025*

LANGUAGES

English: C2 (Imperial English UK) [Link] | **French:** Conversational | **Arabic:** Native