Mohamed Abdelwahed, Software Engineering Student

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LINKS

LinkedIn · GitHub · Portfolio

PROFESSIONAL SUMMARY

Software Engineering student at INSAT with a focus on full-stack web development and applied AI/ML, and an AWS Certified AI Practitioner. Hands-on experience shipping end-to-end products, from architecture to deployment, through internships and personal projects.

AREAS OF EXPERTISE

Languages — Python, TypeScript/JavaScript, Java, C#
Backend — FastAPI, Spring Boot, ASP.NET Core, REST APIs, JWT
Frontend — React, Next.js, Angular
AI / ML — Machine learning, computer vision (PaddleOCR, OpenCV), AI agents
Databases — PostgreSQL, MySQL, MongoDB
Cloud — AWS (Bedrock, SageMaker)
DevOps & Tools — Docker, Git/GitLab, CI/CD, Jira

EMPLOYMENT HISTORY

Jul 2026 — Aug 2026

Software Engineering Intern, Softcorp (fintech) — Tunis

- Designed and built the KYB module of a KYC/KYB compliance verification engine for the French market, covering company registry documents (Kbis/RNE).
- Implemented the full pipeline: OCR, rule-based document classification, field extraction, cross-checking against official French registries, sanctions screening, and weighted scoring with automated decisions.
- Scaffolded the service from scratch using a hexagonal architecture with FastAPI dependency injection and pydantic-settings configuration.
- Generated a synthetic document dataset for development and testing.
- Containerized the service with Docker and delivered automated tests.
- Worked in an agile setup across three sprints with Jira, GitLab merge requests and code reviews.

Oct 2025 — Dec 2025

Mathematical Analysis Instructor, Learnify — Tunis

Led structured tutoring sessions in mathematical analysis, emphasizing rigorous reasoning and problem-solving techniques.

Jun 2025 — Jul 2025

Software Engineering Intern, BiatIT — Tunis

BankApp — Full-stack banking platform (Angular, Spring Boot)

- Built an end-to-end banking platform with an Angular frontend and a Spring Boot REST API.
- Implemented JWT authentication with secure token rotation and a multi-step admin approval workflow for account activation.
- Delivered multi-account and card management, paginated transaction history, and role-based UI rendering.

EDUCATION

Sep 2023 — Present

Engineering Degree in Software Engineering, INSAT — Tunis, Tunisia

Currently in 4th year

CERTIFICATIONS

Nov 2026

AWS Certified AI Practitioner (AIF-C01) — Amazon Web Services

AI, ML and generative AI fundamentals on AWS: Amazon Bedrock, SageMaker, RAG, prompt engineering, responsible AI and security.