

ACHREF MEJRI

Software Engineer & Cybersecurity Specialist

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PROFILE

Computer science graduate with hands-on experience building and securing full-stack web applications and large-scale backend systems. Delivered SentinelScan, a web-based vulnerability scanning platform, as a final-year project within an express logistics company. Several years of practical experience developing and debugging a large Lua-based backend ecosystem for a live multiplayer game server, including security fixes and admin tooling. Comfortable working across the stack and solving complex, real-world bugs independently.

SKILLS

Languages: Python, JavaScript, Lua, PHP, C#, SQL
Web & Frameworks: React, Flask, Node.js, Express, HTML/CSS, REST APIs, MySQL, Firebase
Tools & Practices: Git/GitHub, Root-Cause Analysis, Debugging, Agile Development
Security Focus: Vulnerability Scanning, IDOR Auditing, Secure Login Flows, Input Validation

PROFESSIONAL EXPERIENCE

Full-Stack Software & Security Engineering Intern — Express Logistics Company (Partner: FST Sidi Bouzid) Dec 2025 – Jun 2026

- Designed and developed **SentinelScan**, a web vulnerability scanning platform using **Python Flask + React**.
- Implemented automated scan orchestration, dynamic results reporting, and a dashboard for findings management.
- Built a risk scoring module: **25 pts** critical / **15 pts** high / **5 pts** medium. Defended before academic jury, top marks.

Backend & Systems Developer — Raven Development Studio (Distributed Gaming Infrastructure) Jan 2023 – Present

- Designed and maintained **30+ backend services (Lua)** for a high-traffic live multiplayer environment.
- Resolved critical client-crash, memory accumulation, and race-condition bugs through systematic root-cause debugging.
- Patched **IDOR-style authorization bypasses** and spoofed client-side events, hardening server-authoritative logic.
- Built a **Node.js/Express** auth microservice + Discord-webhook logging pipeline. Implemented a 5-market dynamic economy engine.

EDUCATION

License in Computer Science (Bac+3) — FST Sidi Bouzid, University of Kairouan Graduated 2026

CERTIFICATIONS & LEADERSHIP

Hashgraph Developer — The Hashgraph Association Jul 2025
Event Organizer & Competitor (Senior Robotics) — TechFest 1.0, ITA May 2023

KEY PROJECTS

SentinelScan (Dec 2025 – Jun 2026): Web vulnerability scanning platform (Flask, React) with automated scan orchestration and risk assessment dashboard.
Raven Accessories (2026): E-commerce platform (Vanilla JS, Firebase) for the Tunisian market — full admin panel, COD checkout, stock & order management, PDF exports.
CSGN (2026): Swimming club management system (React, Node.js, MySQL) — swimmer registration, subscription tracking with expiry alerts, Cloudinary gallery.
TuniJobs (2026): Mobile job-search app (Flutter, Firebase) with AI-powered smart matching between candidates and employers.
NAJJEM AI (2026): Concept & data pipeline for a Tunisian-dialect (Derja) NLP platform — text/voice dataset aggregation and structuring.
Raven RolePlay Infrastructure (2023 – Present): Large-scale Lua microservices ecosystem — anti-cheat, economy engine, stateful sync, Discord logging pipelines.
Pro Launcher: C# WinForms desktop app with HWID binding, token-based licensing, and secure client-server handshake.

LANGUAGES

Arabic (Native) | French (Fluent) | English (Fluent)