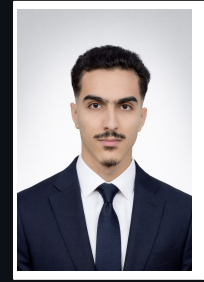


AKRAM MEHDI AMAMRA

Cybersecurity & Cloud Security | Full-Stack Developer

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Profile

Final-year Computer Science student at ESI SBA, specializing in Cybersecurity, and joining an MSc in Cybersecurity & Cloud Computing at IPSSI Lyon (2026–2028). Security-first engineer who builds production full-stack applications, operates self-hosted infrastructure, and researches offensive security, from autonomous pentesting orchestrators to cellular attack detection.

Education

MSc · Cybersecurity & Cloud Computing

2026–2028

IPSSI Lyon · France

Graduate track in offensive security, cloud hardening and secure infrastructure design.

Engineering Degree · Computer Science

2022–2027

ESI SBA · Algeria

Cybersecurity specialization. Final year, thesis on cellular attack detection (SENTINEL).

Certification

CAPT · Certified Associate Penetration Tester · Hackviser (2025) · vulnerability assessment and exploit techniques

Core Skills

Security · Penetration Testing, Network Security, Vulnerability Research, RF / SDR

Development · Next.js, React, Python, Django, TypeScript, Kotlin, Android

DevOps & Cloud · Docker, nginx, Linux, GitLab CI, ArgoCD, HashiCorp Vault, self-hosted servers

Selected Projects

Keraunos · Autonomous pentesting orchestrator with policy-gated, LLM-driven assessment runs and a live dashboard

SENTINEL · Cellular downgrade & rogue base station detection via passive RF monitoring (RTL-SDR)

Olympus · HTB-style vulnerable multi-container lab (SQLi, SSRF, XSS, IDOR, command injection)

Aegis · Policy-driven guardrail runtime for AI agents

Masterly Air Academy · Production aviation academy platform (Django, Next.js, PostgreSQL, Docker)

HealthCare OS · Self-hosted clinic management & telemedicine platform (Python)

Portfolio OS · This site, a browser-based Kali Linux OS simulation built with Next.js

Highlights

First Place Winner · AlphaAI 2k25 · National Champion · Huawei ICT Competition 2025 · First Place · Ingeneer 2k24

Alphabit Club · Media (2023–2024) & Dev (2025) · Ingeniums Club · Technical Team (2024)