

Ahmed El Euch

Lyon, France • +33 744885542 • ahmedeleuch525@gmail.com • linkedin.com/in/ahmedeleuch • github.com/El EuchAhmed

SUMMARY

Software engineering student at INSA Lyon (class of 2029), **seeking a 2–3 month cybersecurity internship from June 2027**. Hands-on across offense and defense: built and attacked a purple-team lab monitored by Splunk at EY, built a threat-intelligence platform ingesting **10+ live IOC feeds**, and solved **100+ CTF challenges**.

EDUCATION

INSA Lyon

Ingénieur en Informatique (Computer science Engineering)

Lyon, France
Sep 2026 – Jun 2029

INSAT — Integrated Preparatory Cycle, Software Engineering

Ranked **3 / 449** (top 1%) — Average **15.45 / 20** — Highest Honors

Tunis, Tunisia
Sep 2024 – Jun 2026

Lycée du Lac — Mathematics Baccalaureate

Average **18.22 / 20** — Highest Honors

Tunis, Tunisia
Jun 2024

EXPERIENCE

EY Tunisia

Cybersecurity Engineer Intern — Purple Team, VAPT, SOC

Tunis, Tunisia
Jul 2026 – Aug 2026

- Designed and deployed a purple-team lab simulating a corporate network (hosts, routing, firewall rules, segmentation) for coordinated attack and defense exercises.
- Deployed **Splunk** as SIEM (forwarders, indexing pipelines, correlation rules) and ran penetration tests (Nmap, Metasploit, Burp Suite) from reconnaissance to post-exploitation to test detection coverage.
- Analyzed alerts generated during attacks to find detection gaps, tuned rules, and hardened the network (firewall policies, ACLs, services); documented exploit chain, remediation, and residual risk.

Banque Nationale Agricole (BNA)

Software Engineer Intern — Full-Stack

Tunis, Tunisia
Jun 2026 (1 month)

- Built full-stack features (Angular, Spring Boot, MySQL) for a critical guarantee-management system in the bank's core credit operations, working in an agile team with code-review standards.

PROJECTS

ARGUS — Autonomous Threat Intelligence Platform

Python, FastAPI, React, Docker, Neo4j, Qdrant, Redis, STIX 2.1, MITRE ATT&CK v15

Live demo

- Built a **7-agent autonomous pipeline** ingesting live IOCs from **10+ sources** (AlienVault OTX, abuse.ch, CISA KEV, VirusTotal), normalized to STIX 2.1, correlated in Neo4j, and mapped to ATT&CK v15 kill chains with LLM-generated threat narratives (Groq / Ollama).
- Implemented a **self-validating prediction loop** that forecasts the next kill-chain phase, checks it against incoming intel, and rewrites its own prompts when accuracy drops.
- Containerized with Docker and deployed publicly (crowd-review, API keys, accuracy leaderboard) on Render, Vercel, Neon, Upstash, and Neo4j AuraDB.

RSA Cryptography CTF Solver

Python, PyCryptodome, SageMath

- Built a modular solver that automates attack selection across small public exponent ($e = 3$), common modulus, and Wiener's attack; new attack families plug in without changing the interface.
- Recovered private keys in **30+ CTF challenges**, placing **top 15%** in Securinets Finals, DarknetsCTF, and DarkesthourCTF.

CCNA Network Security Labs

Cisco Packet Tracer, GNS3

Ongoing since 2025

- Built labs on routing, switching, VLANs, STP, and ACLs; for each protocol, exploited a real weakness (**VLAN hopping**, unsecured routing protocols, weak ACLs), then implemented and validated the fix and wrote it up with a residual-risk rating.

TECHNICAL SKILLS & CERTIFICATIONS

- Security:** Web & network pentesting, OWASP Top 10, RSA cryptanalysis, Nmap, Metasploit, Burp Suite, Wireshark, purple teaming
- SOC & Threat Intel:** Splunk (forwarders, correlation rules, alert tuning), log analysis, STIX 2.1, MITRE ATT&CK, IOC enrichment, Neo4j
- Networking:** TCP/IP, VLANs, STP, OSPF, RIPv2, ACLs, firewall rules, Cisco IOS, GNS3, Packet Tracer
- Development & DevOps:** Python, Java (Spring Boot), Angular, React, FastAPI, MySQL, PostgreSQL, Docker, CI/CD, LLM orchestration (Groq, Ollama)
- Certifications:** CCNA (*in progress*) | Linux Fundamentals, Linux Foundation (*Dec 2025*) | Associate Data Scientist, DataCamp (*Oct 2025*)
- Languages:** Arabic (*native*) | French (*C2, TCF*) | English (*C1, AMIDEAST*) | Spanish (*A2*)

LEADERSHIP & INVOLVEMENT

ETIC INSA — IS Division Member & Project Contributor

Oct 2026 – Present

- Build automation tools and secure and maintain ETIC's IT infrastructure as an IS team member; contribute to client missions as a project contributor.

Securinets INSAT (CTF & Cybersecurity Club) — Active Member

2025 – Present

- Competes in club CTFs and shares attack methodology, tooling, and write-ups with the team after each competition.

IEEE INSAT Student Branch — Media & Communication Manager

Aug 2025 – Present

- Managed content on 4 platforms and covered 10+ events, growing engagement by **30%+**.

Software Engineering Program, INSAT — Class Delegate

Sep 2025 – Jun 2026

- Elected liaison between **117 students** and faculty; organized peer study sessions during exams.

Enactus INSAT | Google Developer Group INSAT — Active Member

2025 – Present