

Mohamed Amine Ayari

NETWORKS & TELECOM ENGINEERING STUDENT · CYBERSECURITY · SYSTEMS · BACKEND

Radès, Tunisia — happy to relocate +216 26 525 235 mohamedamine.ayari@insat.ucar.tn amineayari.tech

github.com/Ayari-Amine linkedin.com/in/mohamed-amine-ayari001

Engineering student who likes building networks and then trying to break them. I have set up the network for two national programming contests from empty rooms — cabling, switches, a DHCP server for **250+ machines** — and I run the websites and competition platforms for Securinets, the biggest cybersecurity association in Tunisia: **four CTF platforms** so far, and event sites with **50,000+ visits** between them. On the side I compete: **five medals across 10+ programming contests**, plus CTFs and hackathons. Looking for an internship in networking, security or systems.

EDUCATION

INSAT — National Institute of Applied Science and Technology, Tunis

2024 — 2029

Engineering degree in Computer Science for Networking and Telecommunications · currently first engineering year (third year overall)

Main subjects: computer networks and TCP/IP, operating systems and Linux, algorithms and data structures, databases, telecommunications, network security.

Baccalaureate in Computer Science, 2024 — 18.20/20, **top 0.3% in the country**

Cisco CCNA (Routing & Switching) · TryHackMe — top 5% worldwide

EXPERIENCE

Webmaster, previously **Team Coordinator** — Securinets, largest cybersecurity association in Tunisia 2025 — Present

- Build and run the websites and competition platforms for the association's CTFs, hackathons and contests — **four CTF platforms** so far, with sign-ups, team management and a live scoreboard.
- Handle everything behind them: the backend and database, the server, TLS and DNS — and keep them up on contest day, when everyone registers in the same ten minutes.
- As team coordinator (2025–2026), kept the technical, content and communication teams on the same schedule across the whole event calendar.

Node.js · PHP · PostgreSQL · Docker · Nginx · Linux

System & Network Administrator — Winter Cup, largest competitive programming contest in Tunisia

Feb 2026

- Set up the contest network from scratch: cabling, switch configuration, the addressing plan, and a DHCP server for **250+ contestant machines**. Second time doing this, after CodeQuest.
- Prepared the Linux workstations, then stayed on to fix things live — the judging system never lost a competitor.

DHCP · VLANs · switching · Linux

COMPETITIONS & AWARDS

- **Programming contests** — **10+ entered, top 10 in seven**: CodeQuest INSAT **bronze twice** (Nov 2024, Nov 2025) · FST **bronze** · ISI **bronze** · ENSTAB **7th** · ISAMM honourable mention.
- **Hackathons** — **5+**, **two of them international (2025–2026)**: placed well in all of them, building working backends and infrastructure in 24 to 48 hours.
- **CTFs**: regular competitor in Securinets and international CTFs — mostly network, forensics and recon challenges.

EXPERIENCE (CONTINUED)

- Sponsoring Manager** — Darkest Hour, largest CTF in Tunisia (Securinets)2025 — 2026
 - Brought in company sponsors and partners: wrote the offer, pitched it, agreed what each side would deliver, then followed every partner through to the event.
 - The money raised paid for prizes, infrastructure and logistics for a competition with national and international teams.
- Sponsoring Manager** — IEEEExtreme, world's largest programming competition (national round)2025 — 2026
 - Same role for the national round: built the sponsorship offer, pitched companies, and managed the partnerships that funded prizes and logistics.
- Technical Staff** — International Cybersecurity Olympiad (ICO), Hammamet2026
 - Helped teams from around the world on site: getting competitors set up, network and platform support, and sorting out problems as they happened — in Arabic, French and English.

PROJECTS

- Securinets CTF platforms** — four built for national competitions
 - Sign-ups, team management and a live scoreboard, with logins and permissions on top of a proper database.
 - Deployed in containers on a Linux server behind Nginx, and tested before opening so the first minutes don't fall over.Node.js/Express · PHP · PostgreSQL/MySQL · Docker · Nginx · Linux
- Contest networks** — two builds, 250+ participants each
 - Planned the addressing and set up DHCP, switching and Wi-Fi for CodeQuest and Winter Cup, then ran the network live during the contest.DHCP · VLANs · switching · cabling · Linux imaging
- Event websites and AI features** — 50,000+ visits in total
 - Event sites with an admin panel and analytics, all shipped before dates that could not move.
 - Backends that call AI APIs with queuing, caching and rate limits so the keys stay server-side and costs stay predictable. Part of 20+ web projects built so far.Python · Node.js · REST APIs · LLM APIs

SKILLS

Networking	TCP/IP, DHCP, DNS, routing and switching, VLANs, subnetting, cabling, Wi-Fi setup, packet analysis
Security	Wireshark, tcpdump, Nmap, John the Ripper, Hydra, Burp Suite, Kali Linux, OWASP Top 10
Systems	Linux (Debian/Ubuntu, Arch), Bash, SSH and firewall hardening, Nginx, Docker, Git, server deployment, monitoring, backups
Development	Node.js/Express, PHP, Python, REST APIs, MySQL/PostgreSQL, MongoDB, logins and permissions, AI API integration; C and C++
Languages	Arabic (native) · French (fluent) · English (fluent) · German (basic)
Interests	Competitive programming, CTFs, home networking lab, helping newcomers get started