AMENALLAH AOUADI

Network & Systems Engineering Student | PFE Internship Seeker

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PROFESSIONAL SUMMARY

Motivated third-year Network and Systems Engineering student , passionate about network security and eager to apply artificial intelligence to threat detection. Hands-on experience through ISO/IEC 27001:2022 hospital audits, penetration testing labs and the development of Audiso, a multi-agent AI platform. Curious, rigorous and a fast learner, seeking a PFE internship to grow my skills, discover the professional world and contribute to real-world network and cloud security projects.

TECHNICAL SKILLS

Network Security: Network Traffic Analysis, Vulnerability Assessment, Penetration Testing, System Hardening, ISO 27001 Auditing, Firewalls (Fortinet NGFW), TCP/IP, VLAN, Routing

Security Tools: Wireshark, Scapy, Nmap, Metasploit, Ettercap, Cisco Packet Tracer, GNS3

AI & Machine Learning: Deep Learning (NVIDIA DLI), LLM Integration (Gemini, OpenAI-compatible APIs), RAG, Multi-Agent Systems, Computer Vision, Python

Cloud & Virtualization: AWS, Microsoft Azure (foundational), VMware ESXi

Systems: Linux (LPIC-1), Windows Server, Active Directory

Programming: Python, JavaScript, C, Java, REST API, Flask, React

Application Security: OWASP Top 10 (SQLi, XSS, CSRF), JWT, bcrypt, MFA

Databases: PostgreSQL, MongoDB, Oracle

Methodology: Git/GitHub, Jira, Agile/Scrum

PROFESSIONAL EXPERIENCE

ISO 27001 Hospital Auditor & AI Developer (Intern) Jun – Jul 2026

Centre d'Informatique du Ministère de la Santé (CIMS), Ministry of Health

- Participated in on-site ISO/IEC 27001:2022 audits of hospital facilities, assessing network architecture, cabling, physical security, IT assets and electrical infrastructure.
- Collected audit evidence, identified security gaps and documented findings with prioritized recommendations.
- Designed and built Audiso, a multi-agent AI platform generating ISO 27001 and network audit reports: RAG-based scoring, Gemini vision analysis of site photos, voice assistant, and template-based report generation (Flask, PostgreSQL, React/TypeScript).
- Conducted a security review of the platform and remediated the identified vulnerabilities (broken authentication, XSS, upload validation, rate limiting, security headers); implemented httpOnly JWT cookies and CSRF protection.

Network Penetration Testing & Hardening Lab (Academic Project) Jan – Feb 2026

ISI Kef

- Built an isolated lab with a vulnerable VM to simulate multi-stage attacks: reconnaissance, exploitation and post-exploitation.
- Used Ettercap, driftnet, urlsnarf, Metasploit and Wireshark; analyzed captured network traffic to identify attack patterns.
- Identified exposed services and weak credentials; applied remediation (port closure, hardening, access control) and documented the full attack-to-defense process.

Full-Stack Developer (Intern) Jul – Aug 2025

Code Wizards, Tunisia

- Developed a full-stack web application (React, Tailwind CSS, Node.js, PostgreSQL) within an Agile team.
- Owned the authentication module: MFA, password-strength enforcement, JWT, bcrypt.
- Managed tasks and versioning with Jira and Git/GitHub.

EDUCATION

Bachelor in Network and Systems Engineering 2024 – now
Higher Institute of Computer Science of Kef (ISI Kef)

Baccalaureate in Mathematics 2024
Lycée Mahmoud El Messadi, Ariana, Tunisia

CERTIFICATIONS

- Google Cybersecurity Professional Certificate (Coursera)
- NVIDIA: Fundamentals of Deep Learning
- Fortinet NSE 1 and NSE 2 (Next-Generation Firewall)
- Cisco CCNA 1: Introduction to Networks
- Python Essentials 1
- Windows Server 2025; SQL Intermediate; VMware vSAN

ACHIEVEMENTS

- 1st Prize, National Science Festival of Monastir, 9th Edition (2026)
- 2nd Prize, AI & Environment Hackathon, Eco-Fest (2025)
- Regional 2nd Place, Tunisian Crowdfunding Tour (2024)

LANGUAGES

Arabic (Native) | French (B2) | English (B2)