

Lina Abboud

ICT Engineering Student
ENIT

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Objective

ICT Engineering student specializing in **Telecommunications**, passionate about **cybersecurity**, **networking**, and **cloud computing**. Seeking a **End-of-studies internship (PFE)** to apply skills in network configuration, cloud infrastructure, and vulnerability assessment.

Education

- **National Engineering School of Tunis, ICT Engineering Student** *Sep 2023 - Present*
Relevant Coursework: Network Protocols and Security, Cloud Computing Fundamentals *Current*
- **Higher School of Science and Technology of Hammam Sousse** *Sep 2021 - Jun 2023*
Preparatory Diploma *Completed*
- **Mahmoud El Messadi Secondary School, Baccalaureate** *Jul 2017 - Jul 2021*
Completed

Certifications

- **Cisco Certified Network Associate (CCNA)** – Cisco
- **Certified Network Security Practitioner** – The SecOps Group
- **AWS Concepts** – DataCamp
- **Containerization & Virtualization** – DataCamp
- **Introduction to Cybersecurity** – Cisco
- **Understanding Cloud Computing** – DataCamp
- **Cyber Security for SMBs** – EC-Council

Technical Skills

Network Security: Cisco CCNA, Firewalls, IDS/IPS, VPNs, Wireshark, Nmap

Cloud Computing: AWS (EC2, S3, Lambda), Virtualization, Containerization (Docker)

Programming: Python, C, C++, Java, Bash

Networking: TCP/IP, VLANs, STP, RSTP, Cisco Packet Tracer

Tools: Linux, Git, Docker, Metasploit

Languages: Arabic (Native), French (Fluent), English (Fluent), German (Basic)

Projects

- **Federated Learning for Intrusion Detection System** End of Year Project *Oct 2024 - may 2025*
 - Designed a privacy-preserving federated learning framework using Flower and TensorFlow for network intrusion detection.
 - Containerized system with Docker.
 - Implemented secure client-server communication using gRPC, enhancing system scalability.
- **AWS Cloud-Based Intrusion Detection System** Cloud Security Project *Jan 2025 - Mar 2025*
 - Deployed a cloud-native IDS using AWS services for real-time threat detection.
 - Implemented automated response workflows with AWS Step Functions to contain identified threats.

- Poly-Clinic Database Management System** Oracle Database Academic Project *Feb 2025*
 - Designed and implemented a **Oracle-based database** for polyclinic management, handling 1K+ patient records.
 - Developed **PL/SQL procedures** for appointment scheduling, billing automation, and inventory tracking.
 - Received **17/20** for exceptional documentation and real-world applicability.
- Network Security Analysis** Academic Project, ENIT *Jan 2024 - May 2024*
 - Configured a network topology using Cisco Packet Tracer, implementing VLANs and RSTP to prevent loops.
 - Conducted vulnerability scans with Nmap and Wireshark, identifying and mitigating potential security threats.
- Reinforcement Learning Applications** End of Year Project *Oct 2023 - Apr 2024*
 - Developed an autonomous Snake game AI using Q-learning with PyTorch.
 - Compared RL algorithms (SARSA, Deep Q-Learning) for performance in dynamic environments.
 - Explored RL applications in network optimization, focusing on adaptive routing protocols.

Positions of Responsibility

- Media Manager** IEEE CS Chapter *Feb 2024 - Feb 2025*
 - Coordinated digital content strategies for computer science events, collaborating with technical teams.
- Media Manager** INJEZ *Mar 2024 - Jun 2024*
 - Managed secure content delivery for event websites, ensuring platform uptime and accessibility.
 - Developed multimedia content to explain technical concepts, enhancing audience engagement.
- VIS-A-VIS Team Manager** TUNED *Jun 2024 - Oct 2024*
 - Led a team of 7 in event logistics, streamlining communication to meet technical deadlines.
 - Resolved network connectivity issues during event setup, ensuring seamless operations.