

Youssef Charfeddine

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Professional Objective

Network Engineer passionate about system and network administration, cybersecurity, and security incident management. Currently a student at INSAT, I wish to deepen my skills by integrating into a SOC (Security Operations Center) environment. My goal is to contribute to the protection of critical infrastructures by actively participating in the proactive and reactive management of threats, while implementing innovative strategies to anticipate and effectively respond to security incidents.

Education

2022 - Present : *Network and Telecommunications Engineering*

INSAT, Tunisia

- Specialization in network administration, cybersecurity, and IT infrastructure management. Training focused on the design and management of complex networks and securing critical infrastructures.
- Practical projects in cybersecurity, implementing security incident management systems, and network monitoring.

2018 - 2022 : *Baccalaureate in Mathematics*

Lycée Pilote Menzah 8, Tunisia

- Grade: 18.37/20.

Professional Experience

June 2024 - July 2024 : *Cloud Security Intern*

3S Standard Sharing Software, Tunisia

- Risk assessment related to security in public and private cloud environments.
- Proposing technical solutions to secure cloud infrastructures in compliance with best security practices.
- Writing a state-of-the-art paper on cloud security technologies, including the analysis of current threat trends.

June 2023 - July 2023 : *Web Developer Intern*

MS Solutions Group (Monetics Services Solutions), Tunisia

- Developing secure web applications using technologies like .NET Core and Angular.
- Integrating security mechanisms into the application development cycle, including authentication, authorization, and encryption of sensitive data.

Technical Skills

Networking : Advanced networking skills (equivalent to CCNA and beyond), TCP/IP, VPN, VLAN, OSPF, BGP, DHCP, DNS, network management and monitoring.

Systems : Linux (Debian, Ubuntu), Windows Server, Virtualization (VMware, Hyper-V).

Cybersecurity : Network monitoring, security incident management, log analysis, intrusion prevention and detection, alert management.

Incident Management : Identifying and responding to security incidents (Cyber Threat Intelligence, SOC Operations).

Development : Bash, Python, C, Powershell.

Project Management : Git, GitHub.

Projects

SIEM - Security Information and Event Management System : Currently under development as part of a university project, aimed at creating a complete solution for security event and information management, allowing for detection and response to security incidents.

SNMP Monitoring Application : Development of a network monitoring application based on SNMP for real-time data collection and analysis of network device performance.

Car Rental Platform : Development of a web platform in PHP as part of a university project, allowing for the management of bookings, available vehicles, and transactions for a car rental business.

Experimental Laboratories : Setup and management of numerous home lab environments to experiment and refine my skills in network security, security incident management, and monitoring.

Competitions: CTFs and Hackathons

Active participation in various CTF and hackathon competitions, mainly national university-level events, regularly achieving top rankings.

Languages

Arabic : Native language.

French : Good proficiency.

English : Fluent.