Mohammed **Sbihi**

Morocco - Fez

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Looking for a Final Year Project (FYP) internship in Cybersecurity.

Summary

5th year engineering student in Networks and Telecommunications, specialized in cybersecurity, passionate about information systems protection and the development of innovative security solutions.
Objective: To complete a Final Year Project (FYP) internship in cybersecurity to develop advanced security systems and contribute to innovation in intelligent threat detection.

Education

National School of Applied Sciences of Fez (ENSAF)   *Fez, Morocco*

STUDENT IN NETWORKS AND TELECOMMUNICATIONS ENGINEERING   *Sept. 2021 – Present*

- Pursuing a degree in Networks and Telecommunications Engineering with a specialization in Cybersecurity.
- Developing expertise in network security and intrusion detection systems.

Professional Experience

University Hospital Center (CHU) of Fez   *Fez, Morocco*

CYBERSECURITY ENGINEERING INTERN **(SOAR/SIEM Project)**   *June 2025 - August 2025*

- **End-to-end design and deployment of a Security Operations Center (SOC)** for monitoring critical infrastructure.
- **Integration of a complete SIEM/SOAR stack** including Wazuh, TheHive, Cortex, and MISP.
- **Advanced automation of incident response workflows** via n8n and Bash scripts, reducing manual reaction times.
- **Development of proof-of-concept attacks** (e.g., EternalBlue) to validate and strengthen IDS detection rule effectiveness.

SNRT   *Rabat, Morocco*

NETWORK ARCHITECTURE INTERNSHIP   *July 2024 - August 2024*

- Executed a network topology project with GNS3, enabling modeling and analysis of various security scenarios.
- Simulated a Denial of Service (DoS) attack to evaluate network resilience.
- Optimized firewall devices and security policies to strengthen protection against cyber threats.

Projects

Distributed Intrusion Detection System (IDS)   *ENSAF - Final Year Project*

AI - CYBERSECURITY - DISTRIBUTED ARCHITECTURE   *January 2025 - Ongoing*

- **Artificial Intelligence:** Development of an ML model ensemble with 98.1% accuracy for network intrusion detection.
- **Microservices Architecture:** Design of a real-time distributed system with packet capture.
- **Advanced Technologies:** Complete Python stack, Docker, Redis, Prometheus with analysis of 9 attack types.
- **Performance:** System capable of processing 1000+ predictions/second with <50ms latency and <2% false positive rate.

SOC Simulation   *ENSAF*

DEVOPS - CYBERSECURITY   *February 2025 - March 2025*

- **Cybersecurity:** Attack detection (DDoS, scans, intrusions) with Suricata.
- **DevOps & Containerization:** Automated deployment on GNS3 with Docker.
- **Virtualization & Networks:** Simulation of a secure network.
- **Big Data & SIEM:** Log analysis and visualization with ELK Stack.

Skills

Cybersecurity (SIEM/SOAR)	Wazuh, TheHive, Cortex, MISP, Suricata (IDS/IPS), pfSense, OSQuery
Programming & Scripting	Bash (automation), Python (API), Node.js/JavaScript (n8n), Ruby, C
Tools & Environments	Docker, Git, GNS3, REST API, Linux, Virtualization
Languages	French (Native), English (Fluent), Arabic (Native)

Extracurricular Activities

SECOPS   *ENSAF*

PRESIDENT   *June 2024 - June 2025*

- Led and coordinated SECOPS club activities, focusing on cybersecurity and digital threat awareness.
- Organized training sessions, workshops, and CTF challenges to enhance members' cybersecurity skills.
- Developed projects simulating cyber attacks and defense strategies using technologies such as GNS3, Suricata, and Machine Learning.