Soufiane KOUSTA

Looking for an End-of-Year Internship (PFA) in Cybersecurity

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Education

ENSET Mohammedia - Hassan II University   **2023 – Present**
Engineering Degree - Cybersecurity and Digital Trust   *Mohammedia, Morocco*

Faculty of Sciences - Ibn Tofail University   **2020 – 2023**
Bachelor of Science - Mathematics and Computer Science   *Kenitra, Morocco*

Experience

Systems and Development Intern   **Juil 2024 – Sept 2024**
Necessaire Technologie   *Oujda, Morocco*
- Developed a Flutter mobile application for dispute management, along with a PHP landing page for the company's technical services.
- Enhanced the security of a VPS (Linux) server: configured SSH authentication, changed the default port, created a secure user, implemented Fail2Ban, and set up basic iptables rules.

Projects

Intrusion Detection System with JavaFX | *Java, JavaFX, Pcap4J*
- Contributed to the development of a real-time intrusion detection system with packet analysis, rule-based threat detection, and a user-friendly JavaFX interface using Java and Pcap4J.

DDoS Attack Detection in an SDN Network Using AI | *Python, Ryu, Mininet, Flask, Pandas, Linux*
- Designed a DDoS attack detection system in a simulated SDN environment using Mininet. Used the Ryu controller to collect network flow data, detected attacks with a Python script, logged alerts, and visualized data through a Flask dashboard with Pandas and Matplotlib.

SSH and HTTP Honeypot in Python | *Python, Flask, Dash, Pandas, Linux, Systemd*
- Developed a modular honeypot supporting SSH and HTTP to capture attacker IP addresses, credentials, and commands. Implemented logging and authentication mechanisms, along with a web dashboard for real-time analysis.

Compétences Techniques

Cybersecurity: Network Security, Packet Analysis, Pentesting, Vulnerability Assessment, CTF, Cryptography, Linux/Windows System Administration
Tools: Wireshark, Nmap, Burp Suite, Metasploit, VirtualBox, GitHub
Technologies/Frameworks: Linux, Docker, Virtualization
Languages: Python, Java, C/C++, PHP, JavaScript, SQL, MongoDB, Bash

Certifications

- ISC2 Certified in Cybersecurity — ISC2
- CyberOps Associate — Cisco
- FortiGate 7.4 Administrator — Fortinet
- ISO/IEC 27001:2022 Information Security Associate — SkillFront
- HCIA Security — Huawei
- Jr Penetration Tester — TryHackMe
- Linux/Networking Essentials — Cisco
- Mastercard Cybersecurity Analyst Job Simulation — Forage
- Red Hat Linux System Administration I & II — RedHat Academy

Languages

- **Arabic**: Native   —   **French**: Full professional proficiency   —   **English**: Full professional proficiency

Extracurricular Activities

- Member of the **Google Developer Student Clubs ENSET**: Organized tech events and workshops focused on Google technologies.
- Sponsorship Lead — **N7Geeks Club**: Managed sponsors and coordinated resources for tech-related events.