Fatima BOUYARMANE

Looking for a Final-Year Internship in Cybersecurity – February 2026

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PROFILE

Cybersecurity engineering student eager to contribute to protecting systems and data in a dynamic professional environment. Curious and proactive, I enjoy tackling challenges related to network security, incident management, and risk analysis.

I am currently seeking a final-year internship starting **February 2026** to apply my skills and actively participate in cybersecurity projects.

PROFESSIONAL EXPERIENCE

IT & Cybersecurity Intern
Jul '25 — Sep '25

One Mobility — Tangier, Morocco

Developed an AI-based DDoS detection system in an SDN environment.
- Built a machine learning model to detect and mitigate DDoS attacks in real time.
- Integrated an AI engine, SDN controller, and monitoring dashboard to enhance network visibility and security.
- Achieved accurate detection and rapid response through traffic simulation and model evaluation.

Red Teaming Intern
Apr '25 — May '25

Hack Secure — Remote
- Participated in Red Team attack simulations including initial access, lateral movement, and post-exploitation.
- Conducted vulnerability assessments, penetration tests, and password cracking exercises.

Cybersecurity Intern
Jul '24 — Sep '24

Marcotran Morocco — Tangier

Performed penetration testing and vulnerability assessments on online payment systems.
- Conducted security audits using OWASP ZAP and identified critical vulnerabilities.
- Implemented two-factor authentication (2FA) to enhance login security.

EDUCATION

Engineering Cycle in Cybersecurity, Euro-Mediterranean University of Fez — 2023 — Present

Preparatory Classes in Digital Engineering & informatics, Euro-Mediterranean University of Fez — 2021 — 2023

Baccalaureate in Physical Sciences, Ajdir High School, Taza — 2021

PROJECTS

Analyzing Attacks and Strengthening Defenses with Honeypots
- Deployed honeypots (Dionaea, Cowrie, Honeyd) to capture cyberattacks.
- Implemented Seccomp and AppArmor for security containment.
- Performed intrusion analysis using the ELK Stack (Elasticsearch, Logstash, Kibana).

Intrusion Detection System - Snort
- Configured and deployed Snort IDS to monitor network traffic and detect threats.
- Simulated attacks to assess vulnerabilities and improve incident response strategies.

Secure Cloud Environment
- Deployed Kubernetes, Docker, and Rook Ceph for a secure cloud environment.
- Configured Kubeflow for machine learning in the cloud.
- Implemented **RBAC** (Role-Based Access Control) and network policies for enhanced security.

Analyzing network traffic usin ELK Stack
- Implemented an **ELK Stack (Elasticsearch, Logstash, Kibana)** solution using **Python** and **tcpdump** to analyze PCAP data and visualize network security insights.

SKILLS

Security   OWASP ZAP, Metasploit, Snort IDS, Nmap, Cryptography, SIEM, Pentest
Development   Python, Java, C/C++, PHP, JavaScript, HTML CSS, CSS, Node.js
Infrastructure   Oracle Database, Docker, Ansible, Linux, Pipeline CI/CD, Kubernetes
Soft Skills   Problem Solving & Analytical Thinking, Teamwork, Attention to Detail, Proactivity
Languages   English, French, Arabic, Spanish

EXTRACURRICULAR ACTIVITIES

Training Manager, SparkSec Club
UEMF Fez
2023 — 2025
- Managed budgets and organized Cybersecurity workshops.
- Coordinated inter-club collaborations and Hackathon events.