

Asma NEJI

Junior Cybersecurity Engineer

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EDUCATION

2022-2025	HIGHER INSTITUTE OF COMPUTER SCIENCE <i>Engineering in Computer Science, Engineering and Development of Communications Infrastructures and Services</i>	Tunisia
2019-2022	HIGHER INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGIES <i>Bachelor in Information and Communication Technologies, Telecommunications</i>	Tunisia

SKILLS

- Networking: Cisco Packet Tracer, Huawei eNSP, TCPDump, OpenVPN, NS3, Omnet++, Wireshark, OpenSSL
- Systems: Linux (Ubuntu, Kali), Windows Server
- Languages: Python, Bash/Shell, SQL, C, C++, Java
- DevOps: Ansible, Shell Scripting, Docker, SonarQube, Jenkins
- Security: Threat intelligence, Pentesting, Network security, Infrastructure hardening, Security automation, Incident response.

EXPERIENCE

TUDIGISEC BY NOMIOS February 2025 - June 2025 (End of studies internship)
Cyber Threat Intelligence intern

- Designed a CTI system with Neo4j knowledge graph integrating data from social media, OSINT, honeypots, and dark web.
- Applied ML and graph algorithms for anomaly detection and threat trend analysis.
- Integrated MITRE ATT&CK for semantic threat mapping and enrichment.
- Processed unstructured data using regex, NLP and transformers for entity extraction.
- Built a Dash dashboard and Flask API for real-time threat visualization and STIX export.
- Deployed a scalable and dockerized pipeline.

ARRIBATT FZCO July 2024 - August 2024 (End of year internship)
DevSecOps intern

- Created a DevSecOps pipeline with Jenkins, SonarQube, OWASP ZAP and n8n for security automation.
- Deployed and configured Wazuh for log management.
- Implemented an XDR solution for automated threat detection and response with TheHive, Cortex and OpenCTI.
- Worked with the DevOps team to ensure secure code deployment.
- Performed penetration testing using OWASP ZAP and Nmap.

SAMA PARTNERS BUSINESS SOLUTIONS SARL August 2023 (Summer internship)
Cyber Threat Intelligence intern

- Studied Cyber Threat Intelligence concepts, use cases, and classifications.
- Analyzed Dark Web structure, protocols, and communication methods.
- Researched data extraction techniques from the Dark Web, including tools and algorithms.
- Tested the AIL project open-source tool for CTI data collection and classification.

RIADVICE January 2022-May 2022 (End of studies internship)
Cyber Security intern

- Configured Wazuh SIEM for server monitoring and alert automation via webhook.
- Implemented security solutions based on CIS benchmarks and managed IDS rules.
- Integrated security tools such as Modsecurity, ClamAV, AIDE, Tiger and Fail2ban..
- Conducted vulnerability assessments and penetration testing with various tools.
- Developed Ansible scripts for server management and enhanced authentication security.

CERTIFICATES

- API Security Fundamentals (2025)
- Microsoft Certified : Azure Fundamentals (2024)
- Microsoft Certified: Security, Compliance, and Identity Fundamentals (2024)
- Microsoft Certified: Azure Data Fundamentals (2024)
- Cisco CCNA (2024)
- Secure your network with VPNs and Firewalls- OpenClassrooms (2024)
- Secure your infrastructure- OpenClassrooms (2024)

LANGUAGES

- English, French, Arabic
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ACADEMIC PROJECTS

- Intelligent inventory management system: Python, C/C++, STM32, Nodemcu, ThingSpeak.
- Expert system for disease diagnosis: Python, Tkinter.
- Design and implementation of a drowsiness detector based on image processing algorithms and AI: Python, RaspberryPI, API.
- Optimizing a virtualized 5G network with SDN, NFV, AI, and blockchain using OpenDaylight, Open5GS, TensorFlow, Docker, Hyperledger Fabric, Prometheus, and Grafana.
- Implementation of a mobile application for financial management in Java.
- Development of a web application for managing a library with Java and MySQL.