



Salah-Eddine JAOUAD

Cyber Security Engineer

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Professional Summary

Motivated and detail-oriented Cybersecurity Engineering student with hands-on experience in system administration, network security, and software development. Proficient in Linux, Java, Python, MySQL, and cloud platforms. Demonstrated ability to apply cybersecurity concepts including intrusion detection, VoIP implementation, and machine learning for threat classification. Strong communication and problem-solving skills developed through academic projects and industry certifications.

Skills

Technical Skills

- Operating Systems: Linux (RedHat, Debian), Windows Server
- Programming Languages: Python, Java, C, JavaScript, PHP
- Cybersecurity: Network Security, Risk Management, Intrusion Detection
- Database Systems: MySQL, MongoDB, Redis
- Networking: Cisco, VLANs, Routing, Switching
- Cloud & Virtualization: VMware, VirtualBox
- Web Development: HTML, CSS, Node.js, RESTful APIs

Soft Skills

- Team Collaboration
- Technical Documentation
- Problem Solving

- Communication (French & English)
- Project Management

Education

Engineering Cycle in Cybersecurity & Digital Trust

Ecole Normale Supérieure de l'Enseignement Technique (ENSET), Mohammedia

2023 – Present

Diploma of University Technology (DUT) in Systems and Network Administration (ASR)

Ecole Supérieure de Technologie (EST), Oujda

2021 – 2023

Mathematical Sciences Baccalaureate

Lycée Abdellah Guennoun, Oujda

2021

Professional Experience

Cybersecurity Intern – Research on IRS (Intelligent Reflecting Surfaces)

Centre Hospitalier Universitaire Mohammed VI, Oujda

July 2024 – August 2024

- Conducted theoretical and practical research on Intelligent Reflecting Surfaces technology
- Explored electromagnetic modeling using CST Studio Suite
- Analyzed potential integration in hospital infrastructure

IT Intern – Windows Server Resource Management

Technologica SARL, Oujda

April 2023 – June 2023

- Managed IT infrastructure using Windows Server 2019
- Handled network administration and user access management
- Maintained file systems and server resources

IT Intern – Network Analysis and Digitalization

Moroccan Customs & Excise Administration (ADII), Oujda

June 2022 – July 2022

- Analyzed local network infrastructure of Prefectural Directorate
- Studied digitization processes and internal applications
- Evaluated network security and performance

Certifications

Cisco Networking & Infrastructure

- Cisco Networking Essentials
- Cisco Introduction to IoT
- Cisco NDG Linux Essentials & Linux Unhatched
- Cisco CyberOps Associate
- Cisco English for IT (1 & 2)

Linux & Security

- Huawei HCIA-Security V4.0
- RedHat Linux Fundamentals RH104 (v9.1)
- RedHat System Administration I – RH124 (RHEL 9.3)
- RedHat System Administration II – RH134 (RHEL 9.3)

Blockchain

- Linux Foundation LFS170: Blockchain for Business

Key Projects

CyberThreatClassifier – Network Threat Detection via Machine Learning

- Designed classifiers for DoS, DDoS, and web attack detection
- Involved feature engineering, dataset preprocessing, and model evaluation

Management System – JavaFX & MySQL

- Desktop HR system for leave requests
- Developed using JavaFX (MVC pattern) and MySQL

E-Learning Platform (Backend API)

- Scalable backend with Node.js, MongoDB, Redis
- Implemented RESTful APIs and caching for optimized delivery

VoIP Solution with FreePBX

- Full deployment of VoIP infrastructure (SIP trunks, IVR, extensions)
- Focused on secure communication and routing scenarios

Intrusion Detection System with Wazuh

- IDS setup on Debian with real-time alerting
- Simulated attacks using Kali Linux & Metasploit
- Implemented log analysis, file integrity checks, and SOC-level monitoring

Languages

- French: Native
- English: Professional
- Arabic: Native