



# Salah-Eddine JAOUAD

## Cyber Security Engineer

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## Professional Summary

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Cybersecurity Engineering student with specialized expertise in fraud detection, risk assessment, and threat analysis. Proven experience in developing security policies, conducting risk mapping, and implementing intrusion detection systems. Strong background in financial technology security with hands-on experience in threat classification and fraud prevention. Demonstrated ability to conduct training sessions and collaborate with cross-functional teams to enhance organizational security posture.

## Core Competencies

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### Fraud & Risk Management

- Fraud Risk Assessment and Mapping
- Operational Risk Analysis
- Threat Detection and Classification
- Security Policy Development
- Compliance and Regulatory Frameworks

### Cybersecurity Expertise

- Intrusion Detection Systems (Wazuh)
- Network Security Monitoring
- Vulnerability Assessment
- Security Information and Event Management
- Incident Response and Analysis

## Technical Skills

- Risk Assessment Tools and Methodologies
- Security Monitoring Platforms
- Database Security (MySQL, MongoDB)
- Network Security Architecture
- Penetration Testing (Kali Linux, Metasploit)

## Communication & Training

- Staff Training and Awareness Programs
- Technical Documentation and Reporting
- Cross-departmental Collaboration
- Customer Education and Outreach
- Presentation and Public Speaking

## Education

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### Engineering Cycle in Cybersecurity & Digital Trust

*Ecole Normale Supérieure de l'Enseignement Technique (ENSET), Mohammedia*  
**2023 – Present**

- **Focus:** Digital Trust, Risk Management, Security Frameworks

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

*Ecole Supérieure de Technologie (EST), Oujda*  
**2021 – 2023**

- **Specialization:** Network Security, System Administration

## Professional Experience

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### Cybersecurity Intern – Research on IRS (Intelligent Reflecting Surfaces)

*Centre Hospitalier Universitaire Mohammed VI, Oujda*  
**July 2024 – August 2024**

- Conducted comprehensive risk assessment for healthcare infrastructure security
- Analyzed potential security vulnerabilities in hospital systems
- Developed recommendations for risk mitigation and security enhancement
- Collaborated with IT teams to implement security best practices

### **IT Intern – Windows Server Resource Management**

*Technologica SARL, Oujda*

**April 2023 – June 2023**

- Managed Windows Server 2019 security configurations and policies
- Monitored network access controls and user permission management
- Implemented security protocols for file and resource access
- Conducted security audits and compliance assessments

### **IT Intern – Network Analysis and Digitalization**

*Moroccan Customs & Excise Administration (ADII), Oujda*

**June 2022 – July 2022**

- Performed comprehensive network security analysis for government entity
- Evaluated digitization processes for security compliance
- Assessed internal applications for potential vulnerabilities
- Prepared security assessment reports and recommendations

## **Certifications**

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### **Cybersecurity Specializations**

- Cisco CyberOps Associate (SOC Operations & Threat Analysis)
- Huawei HCIA-Security V4.0 (Enterprise Security Solutions)
- Linux Foundation Blockchain for Business (Financial Technology Security)

### **Infrastructure & System**

- RedHat System Administration I & II (Enterprise Security Management)

- Cisco Networking Essentials (Network Security Fundamentals)
- Cisco Introduction to IoT (Connected Device Security)

## **Key Security Projects**

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### **CyberThreatClassifier – Advanced Fraud Detection System**

- Developed machine learning algorithms for real-time fraud detection
- Implemented DoS, DDoS, and web attack classification models
- Performed extensive data preprocessing and feature engineering
- Achieved high accuracy in threat pattern recognition and classification

### **Secure VoIP Infrastructure Deployment**

- Designed and implemented secure communication systems using FreePBX
- Configured SIP trunks with advanced security protocols
- Developed IVR systems with fraud prevention mechanisms
- Ensured compliance with telecommunications security standards

### **Enterprise Intrusion Detection System**

- Deployed Wazuh IDS on Debian for comprehensive security monitoring
- Configured real-time alerting and incident response protocols
- Conducted penetration testing to validate system effectiveness
- Implemented SOC-level monitoring and log analysis capabilities

## **Training & Awareness Experience**

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### **Student Representative & Trainer**

#### *ENSET Mohammedia Academic Outreach Program*

- Conducted information sessions on cybersecurity career paths
- Developed and delivered presentations to diverse audiences
- Collaborated with faculty and external organizations for program coordination

- Led preparation of educational materials and communication strategies

## Industry Engagement

*GITEX Africa 2025, Marrakech*

- Participated in cybersecurity and digital transformation panels
- Engaged with industry professionals on emerging fraud trends
- Enhanced knowledge of current market security challenges
- Built professional network within cybersecurity community

## Languages & Communication

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- **Arabic:** Native (Professional Documentation)
- **French:** Native (Business Communication)
- **English:** Professional (Technical Documentation & International Standards)

## Additional Qualifications

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- Strong analytical and synthesis capabilities for complex fraud patterns
- Proven ability to handle sensitive and confidential information
- Experience in cross-departmental collaboration and team coordination
- Demonstrated proactive approach to emerging security threats
- Rigorous methodology in risk assessment and documentation