Salah-Eddine JAOUAD

Engineering Student

Cybersecurity & Digital Trust Engineering

École Normale Supérieure de l'Enseignement Technique, Mohammédia

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🔗 Salah-Eddine JAOUAD

Education

- **Cybersecurity & Digital Trust Engineering** *2023 - Present*

  École Normale Supérieure de l'Enseignement Technique (ENSET) Mohammédia

- **DUT in System and Network Administration** *2021 - 2023*

  École Supérieure de Technologie (EST) Oujda

- **Baccalaureate in Mathematical Sciences** *2021*

  Lycée Abdellah Guennoun, Oujda

Professional Experience

- **Cybersecurity Intern - SIEM & SOAR Implementation** *July - August 2025*

  Technologica SARL — Oujda, Morocco
  - Deployed and configured a SIEM solution with Wazuh for real-time threat detection and analysis
  - Implemented a SOAR platform with TheHive for incident response orchestration and automation

- **Cybersecurity Intern - Basic Security Audit** *July - August 2024*

  Mohammed VI University Hospital — Oujda, Morocco
  - Created a mapping of hospital information systems including patient records and management systems
  - Identified vulnerabilities such as weak passwords and unsecured access
  - Analyzed compliance with Law No. 09-08 standards and Morocco-specific data protection

- **IT Intern - Resource Management on Windows Server** *April - June 2023*

  Technologica SARL — Oujda, Morocco
  - Managed IT infrastructure on Windows Server 2019
  - Managed Active Directory: user administration, permission management, and security groups
  - Managed shared folders

- **IT Intern - Network Analysis and Digitization** *June - July 2022*

  Customs and Indirect Taxes Administration (ADII) — Oujda, Morocco
  - Analyzed the local network of the prefectural directorate
  - Studied digitization processes and internal applications

Projects

- **EDR Platform** *Cybersecurity*

  Endpoint Detection & Response — Wazuh, YARA
  - Deployed Wazuh as centralized EDR on 3 endpoints (Windows/Linux)
  - Integrated YARA rules to detect malware and suspicious behaviors
  - Configured XDR correlation for multi-stage attacks
  - Implemented automated response (endpoint isolation, IP blocking)

- **Intrusion Detection System** *Cybersecurity*

  IDS with real-time alerts — Debian, Kali Linux, Metasploit
  - Installed an IDS on Debian with real-time alerts
  - Performed attack simulations via Kali Linux & Metasploit
  - Analyzed logs, integrity checking, and SOC monitoring

- **JWT Security Platform** *Secure Development*

  API security and token analysis — Java, Spring Boot, React
  - Developed a Spring Boot REST API with JWT authentication
  - Implemented JWT token generation and validation with RS256
  - Created a React interface to test authentication

- **Cyber Threat Classifier** *Machine Learning*

  Network threat detection — Python, Scikit-learn
  - Designed classifiers for DoS, DDoS, and Web attacks
  - Implemented feature engineering and model evaluation

- **Network Traffic Analysis** *Cybersecurity*

  Network Monitoring — Wireshark, Zeek, Python
  - Captured and analyzed network traffic with Wireshark and Zeek
  - Developed Python scripts to detect anomalies

Technical Skills

Cybersecurity & Cryptography: Network/system security, risk management, secure architecture, cryptographic algorithms, blockchain, ethical hacking
Systems & Virtualization: Windows Server administration (Active Directory), Linux administration, shell scripting
Networks & Telecommunications: IP addressing, subnetting, VLAN, Cisco routing/switching
Programming Languages: C, C++, Python, Java, OOP, data structures
Web Development & APIs: HTML, CSS, JavaScript, PHP, Node.js, web application security
Tools & Frameworks: Spring Boot, Spring Security, React, Wazuh, TheHive, Wireshark, Zeek, Metasploit, YARA
Areas of Interest: Intrusion detection, SIEM/SOAR, EDR/XDR, network analysis, secure development
Soft Skills: Problem-solving, Self-learning, Presentation, Adaptability, Teamwork

Certifications

Cisco: Networking Essentials, Introduction to IoT, NDG Linux Essentials & Linux Unhatched, CyberOps Associate, English for IT (1 & 2)
Linux & Security: Huawei HCIA-Security V4.0, RedHat RH104/RH124/RH134
Blockchain: Linux Foundation LFS170

Languages

Arabic: Native
French: Fluent
English: Fluent

Extracurricular Activities

• **ENSET Mohammédia Representative**

El Jadida, Morocco

– Active participation in an academic orientation forum at Lycée Technique Errazi to present ENSET

• **GITEX Africa 2025 Visitor**

Marrakech, Morocco

– Explored booths of numerous national and international companies
– Attended several specialized conferences on innovation and cybersecurity