



# MOHAMMED LACHHAB

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Second-year IT engineering student at ENSET Mohammedia, passionate about cybersecurity and web application security. Experienced in secure development, IT risk management, and cyber threat detection.

## PROFESSIONAL EXPERIENCE

- Digital Transformation Intern - CONCREFIELD | Casablanca****Août 2024 - Septembre 2024**
  - Deployed a secure ERP and optimized web performance (+20%).
  - Reduced processing time by 40% and eliminated critical vulnerabilities.
  - Secured IT infrastructure and managed user access
- Full Stack Developer Intern - English Castle Center | Bouskoura****Mai 2023 - Août 2023**
  - Developed a secure web application using React, Laravel, and MySQL.
  - Implemented Sanctum Authentication and protection against XSS & SQL injection attacks.
  - Worked in an Agile environment, following DevSecOps best practices.

## EDUCATION

- Engineering Degree in Computer Science and Cybersecurity - 2nd Year****Sep 2023 - Present**

ENSET Mohammedia, Morocco
- Bachelor's in Mathematical Sciences and Computer Science (SMI)****Sep 2020 - May 2023**

Faculty of Sciences Ben M'Sik, Casablanca
- Baccalauréat Sciences mathématiques A****Jun 2020**

Ibn Batouta High School, Médiouna

## CERTIFICATIONS

- Network Security – Cisco Networking Academy**

Network security, Cisco firewalls, IPsec VPN, ACLs, and attack prevention.
- CyberOps Associate – Cisco Networking Academy**

Cyber threat monitoring, detection, and response.
- HCIA-Security V4.0 - Huawei Academy**

Network security and IT infrastructure protection.

## PROJECT EXPERIENCE

- "BackupGuard"- Backup Security Against Ransomware****Present**
  - Designed a hybrid backup system with integrity verification via Polygon blockchain.
  - Implemented decentralized storage using IPFS and Azure for redundancy.
  - Secured encryption keys with Shamir's Secret Sharing cryptography.
- Network Intrusion Detection Project****Jan 2025**
  - Detected phishing in emails and URLs using Machine Learning.
  - Trained a Python model targeting 95% accuracy.
  - Built real-time threat analysis and a user interface.
- Phishing Detection Using Machine Learning – Hackathon ENSET****May 2024**
  - Trained a Python-based model targeting 95% accuracy.
  - Real-time threat analysis and user interface development.

## SKILLS

- Cybersecurity & Pentesting:** Cyber threat analysis, web application security (OWASP), penetration testing.
- Secure Development:** React, Express.js, C++, Python, Laravel, JavaScript, MySQL, PHP, JSON.
- DevSecOps & Networking:** Linux, Bash Scripting, firewall management, system administration.
- Cloud & Monitoring:** IT infrastructure security, system monitoring.
- AI & Machine Learning:** Threat detection with Python, predictive analysis.
- Project Management:** Agile methodology, teamwork, problem-solving.

## LANGUAGES

**Arabic (Native) | French (Fluent) | English (Fluent)**