

# Chiheb Mahfoudh

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## Professional Summary

Second-year Computer Networks and Telecommunications student at ISETCOM with a strong passion for Offensive Security, Penetration Testing, Active Directory security, and Red Teaming. Holder of industry-recognized certifications including HTB CPTS, HTB CWES, and CRTP. Hands-on experience through CTF competitions, challenge authoring, enterprise Active Directory labs, and DevSecOps internship experience integrating security into CI/CD pipelines.

## Technical Skills

**Offensive Security:** Penetration Testing, Red Teaming, Privilege Escalation, Lateral Movement, Post-Exploitation

**Web Security:** SQL Injection, XSS, IDOR, SSRF, Authentication Bypass, API Testing

**Active Directory:** Kerberoasting, Pass-the-Hash, DCSync, BloodHound Analysis, Domain Enumeration

**DevSecOps:** GitLab CI/CD, SonarQube, Static Analysis, Security Pipelines, Secure SDLC

**Tools:** Burp Suite, Nmap, Metasploit, BloodHound, Impacket, Mimikatz, CrackMapExec, Kali Linux

**Infrastructure:** Windows Server 2019, Active Directory, VMware, VirtualBox

**Programming:** Python, Bash, JavaScript, React

## Professional Experience

**Teamwill Tunisia**  
*DevSecOps Intern*

2026 – Present

- Working with GitLab CI/CD pipelines.
- Integrating security tools into software delivery workflows.
- Learning secure DevOps practices and Secure SDLC.
- Using SonarQube to perform static code analysis and validate application quality.

**Tunisie Telecom**  
*Intern*

Jan 2025

- Gained hands-on exposure to enterprise networking and telecommunications infrastructure.
- Observed routing, switching, and enterprise system administration practices.

**Engineers Spark Club – ISETCOM**  
*Technical Member*

- Authored Web Exploitation CTF challenges.
- Designed and deployed infrastructure for national cybersecurity competitions.

## Projects

### Enterprise Active Directory Lab

- Built an enterprise-like Active Directory environment.
- Configured Windows Server 2019 Domain Controller and Windows workstations.
- Simulated complete attack chains from initial compromise to Domain Admin.
- Practiced Kerberoasting, Pass-the-Hash, DCSync, BloodHound analysis, and post-exploitation.

### CTF Challenge Development Platform

- Authored challenges for CyberSphere v7.0, Cyber Maze 5.0, RamadanCTF 2025, RamadanCTF 2026, and MiniCTF.
- Managed competition infrastructure and participant onboarding.
- Maintained real-time scoreboard operations.

### Local Chat Application

- Built a real-time chat application using React and WebSockets.
- Implemented authentication, messaging, and UI components.

## Education

### Higher Institute of Telecommunications of Tunis (ISETCOM)

Computer Networks and Telecommunications

2025 – Present

Completed First Year (Promoted to Second Year)

## Certifications

- HTB Certified Penetration Testing Specialist (CPTS)
- HTB Certified Web Exploitation Specialist (CWES)
- Certified Red Team Professional (CRTP)

## Achievements

- Winner — National Attack/Defense CTF Competition (2025)
- Organizer and Challenge Author — National Attack/Defense Event (2026)
- Authored multiple Web Exploitation challenges.
- Solved 50+ Hack The Box machines ranging from Easy to Insane.
- Practical experience in Active Directory exploitation, privilege escalation, web application security, and post-exploitation.

## Languages

- Arabic — Native
- French — Fluent
- English — Professional Working Proficiency