

# KHALIL AMMAR

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## SUMMARY

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Third-year Telecommunications Engineering student at INSAT with interests in cybersecurity and networking. Strong foundation in security principles and network systems, focused on web and mobile security. Seeking an internship in cybersecurity and secure systems.

## EDUCATION

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### National Institute of Applied Sciences and Technology (INSAT)

Computer Networks and Telecommunications Engineering

Tunis, Tunisia

Sept. 2023 - Present

### Lycée Mohamed Bouhdida

Baccalaureate in Technical Sciences – Highest Honors (17.74/20)

Tunis, Tunisia

Sept. 2019 - Jun. 2023

## PROJECTS

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### LLM-Powered Adaptive Honeybot

AI & Defensive Security Project

Mar. 2026 - Apr. 2026

- Developed an AI-driven honeybot using a policy-gated LLM to dynamically engage attackers across SSH and HTTP protocols.
- Built a real-time threat intelligence pipeline by linking Cowrie logs to Wazuh SIEM using a custom FastAPI backend.

### Home SOC & Malware Analysis Labs

Defensive Security Project

Jan. 2026 - Feb. 2026

- Architected a Home SOC utilizing Wazuh SIEM and Sysmon to monitor cross-platform endpoints and write custom MITRE ATT&CK detection rules.
- Configured an isolated malware analysis sandbox, applying behavioral tracking and bypassing anti-debugging mechanisms.

### DroidHunt — Android Security Toolkit

Offensive Security Project

Dec. 2025 - Jan. 2026

- Combined Frida and Burp Suite to intercept API traffic, successfully bypassing SSL pinning and evading root detection.

### Haniny — Driving Safety Assistant

AI Mobile Application

Oct. 2025 - Dec. 2025

- Built an AI-powered mobile app that analyzes real-time hardware telemetry (speed, acceleration, camera feed) to monitor driver safety.
- Designed risk-detection algorithms to automate SOS emergency alerts and generate personalized driver safety scores.

## EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

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### Key Achievements

Global Rankings & Competition Awards

- **Cybersphere Congress Advanced CTF:** Secured **1st Place** and awarded INE premium voucher, Root-Me rewards, and .xyz domains.
- **TryHackMe:** Achieved **Top 1% Global** ranking on TryHackMe.
- **CyberCamp:** Secured **1st Place** at CyberCamp (Mobile Pentesting Track).
- **Major CTF Finals:** Ranked **Top 7 Global** at Securinets CTF Finals and **Top 8 Global** at the Cybears Algeria Qualifiers.

### CTF Player & Challenge Author

MOJO-JOJO CTF Team

Cybersecurity Competitor & Task Creator

Mar. 2024 - Present

- Competed in international CTFs, tackling complex technical challenges and collaborating on offensive strategies.
- Designed and deployed custom CTF challenges, engineering realistic vulnerable environments for competitors to exploit.

### Sponsoring Team Member

TSYP 14 – IEEE INSAT SB

National Congress (IEEE Tunisia)

Mar. 2026 - Present

- Secured sponsorships, managed event logistics, and contributed to the organization of a large-scale congress.

### Technical Contributor & Member

Securinets

Cybersecurity Club & Training Event

Sept. 2024 - Present

- Authored training challenges, mentored beginners in security fundamentals, and contributed to community initiatives.

### Organizing Committee

Orbit 1.0 – IEEE INSAT SB

Devops Technical Bootcamp

Jan. 2025 - Apr. 2025

- Coordinated participants and secured funding for an annual bootcamp fostering practical engineering skills.

## CERTIFICATIONS

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- **Junior Penetration Tester** – TryHackMe | **CPPS** – Phishing Prevention | **CRTOM** – Red Team Operations

## SKILLS & LANGUAGES

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- **Offensive Security:** Web/Android Pentesting, Reverse Engineering, Malware Analysis, Burp Suite, Metasploit, Frida, IDA Pro
- **Defensive Security:** SIEM (Wazuh), Sysmon, Threat Hunting, Incident Response, MITRE ATT&CK, Wireshark, Nmap
- **AI & Workflow Optimization:** Prompt Engineering, LLM Integration, MCP Servers, Workflow Automation, Tool Orchestration
- **Programming:** Python, C/C++, Java, Kotlin, Bash, Assembly (x86/x64)
- **Languages:** Arabic (Native), English (Professional), French (Fluent - B2), Italian (Basic)