

Adem Kefi

Tunis, Tunisia

Networks & Telecom engineering student

+216 52417337

adem.kefi@insat.ucar.tn

Blackkader

Kefi Adem

EDUCATION

•National Institute of Applied Science and Technology (Insat)

2023 - Current

Networks and Telecommunication

•Mahmoud Messadi High School in Nabeul

2019 - 2023

Computer Science

PROJECTS

•Multiple CTFs Author

Authored comprehensive CTF challenges spanning introductory to advanced difficulty levels.

- Reverse Engineering: Securinets Quals / Summerrush / Darkest Hour / CyberCamp / CyberSphere
- Mobile Security: Securinets Friendly
- Game Hacking: IFTxSecurinets : Unity, Gameboy and Nintendo

•AI-Powered WAF | TrustScore Module

Behavioral trust scoring engine for an AI-driven Web Application Firewall, team project

- Wrote the **trust engine (UEBA)** of a team-built AI web application firewall, in Go. It scores every client IP and every logged-in user from 0 to 10 and returns one of five decisions: allow, allow with stricter checks, challenge, block or ban.
- Implemented eight weighted detection modules (reconnaissance, brute force, DDoS, scraping, session anomalies, evasion, vulnerability probing, account abuse), trust boosters for normal browser behavior, hard overrides for clear attacks, and country, ASN and proxy/VPN/Tor lookups from IP2Location databases.
- Combined IP and user scores through EWMA smoothing on the user side, exported ID-to-score pairs to Redis for fast lookups by the proxy, defined how each decision band maps to LightGBM, Coraza and challenge handling, and wrote the identity middleware and over 30 unit tests.

•Clipboard Hijacker | Static Malware Analysis & Reverse Engineering

Obfuscated PowerShell clipboard hijacker

- Performed in-depth static analysis and reverse engineering of an obfuscated PowerShell clipboard hijacker, including manual deobfuscation and static unpacking.

EXPERIENCE

•FLITZ Cybersecurity Team

September 2024 - Current

Reverse Engineering and Mobile player and author

- Qualified for CSAW (Ranked 10th) & ASCWG (Top 5%) & OLYMPIC (Top 10%) CTFs

•Securinets INSAT

September 2025 - Current

Technical Team Member and Reverse Engineering/Mobile Instructor

- Actively conducting workshops (15+ sessions to date): Reverse Engineering
- Mobile Security : APK reversing and pentesting

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C/C++, Golang, Python, Assembly (x86/x64), JavaScript, Java

Operating Systems: Linux (Arch, Debian), Windows

Reverse Engineering/Debugging: IDA Pro, Ghidra, x64dbg, GDB

Security & Forensics Tools: Wireshark, PEID, Detect It Easy, UPX

Development & Analysis Utilities: Radare2, Frida, ADB, Docker

Networking & Protocols: TCP/IP, VLANs, STP, OSPF, NAT, DNS, DHCP, Switching & Routing (Cisco IOS), Packet Tracer, GNS3

Fields of Interest: Reverse Engineering, Malware Analysis, Binary Exploitation, Cryptography, Systems Security, Forensics, Web Security, Pentesting, Mobile Security

Soft Skills: Clear communication, Effective teamwork, Critical thinking, Problem solving, Self-directed Learning

Languages: Arabic Native , English Professional , French Intermediate

CERTIFICATIONS

•CCNA: Introduction to Networks

•CCNA: Switching, Routing, and Wireless Essentials