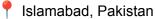
Asad Muhammad

Cybersecurity Enthusiast | Malware Analyst



x asadmuhammadchannar@proton.me | ☎ +92 333 5177266

LinkedIn | GitHub | Portfolio

Professional Summary

Cybersecurity student at Air University with hands-on experience in red teaming, malware analysis, and ethical hacking. Skilled in Python, C++, Bash, and network security. Passionate about securing digital systems and building tools for real-world threat detection and mitigation.

Education

Air University, Islamabad

BS Cyber Security - Aug 2023 - Present

IMCB G-10/4, Islamabad

FSc (Pre-Engineering) – 2021 – 2023 Matriculation (Science) – 2019 – 2021

Experience

Cyber Security Intern — Developer's Hub Corporation Sep 2024 – Oct 2024

- Participated in real-world cybersecurity projects, focusing on ethical hacking, digital forensics, and vulnerability assessment.
- Collaborated with professionals to strengthen systems and stay updated on modern security practices.

Red Team Intern — CodeAlpha Mar 2024 – Apr 2024

• Simulated real-world cyber attacks to identify vulnerabilities in systems.

- Gained expertise in reconnaissance, privilege escalation, and post-exploitation.
- Developed custom exploits and collaborated on mitigation strategies.

Projects

MailGuard – Email Threat Detection System

- Detects phishing, spam, and malicious content using IMAP scanning, link analysis, and keyword filtering.
- Features a user-friendly GUI and whitelist/blacklist control.

Pinky Virus – Educational Malware (Assembly)

- Alters file extensions and magic bytes in target directories.
- Demonstrates stealth and recursion in a safe research context.

Wifalyzer - WiFi Signal Analyzer Tool

- Scans WiFi networks and displays signal strength, frequency, BSSID, and encryption protocols.
- Includes heat maps, real-time updates, and graphical analysis.

Encryptify – Python-Based Encryption App

- Encrypts/decrypts text using randomly generated keys.
- Includes GUI (Tkinter) and CLI modes with persistent key storage.

CyberShell – Custom Linux Terminal (C++)

- Developed a full-featured Linux terminal in C++ that supports built-in and external command execution.
- Includes features like command logging, aliasing, colored output, prompt customization, and command timing.
- Designed with modular components and extensible structure for additional Unix shell functionalities.

Network Deauthenticator Tool – WiFi Disruption Utility

- A Python-based tool that sends deauthentication packets to disconnect users from targeted WiFi networks.
- Can be used to deauthenticate entire routers or specific clients, useful for penetration testing and auditing wireless networks.
- Supports monitoring mode, target selection, and real-time feedback.

Technical Skills

- Languages: Python, C++, Bash, Assembly
- Cybersecurity: Malware Analysis, Red Teaming, Penetration Testing
- Tools: Wireshark, Git, Nmap, Metasploit, Burp Suite
- Soft Skills: Problem Solving, Communication, Teamwork, Time Management