

# Asad Muhammad Channar

## Cybersecurity Enthusiast | Malware Analyst

📍 Islamabad, Pakistan

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## 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.

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## Education

### Air University, Islamabad

*BS Cyber Security* – Aug 2023 – Present

### IMCB G-10/4, Islamabad

*FSc (Pre-Engineering)* – 2021 – 2023

*Matriculation (Science)* – 2019 – 2021

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## 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.
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## 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.

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## **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