

Rana Uzair Ahmad — Cyber Security Engineer | Penetration Tester | Security Researcher

Rawalpindi, Pakistan

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Summary

Security Engineer with experience in penetration testing, SOC operations, and digital forensics. Built a C-based SIEM agent at NCCS, authored **34+ open-source tools**, and ranked **Top 4% TryHackMe** and **Top 900 HackTheBox**.

Work Experience

Zerox Innovation (Pvt.) Ltd.

Security Engineer

Rawalpindi, Pakistan

Apr 2025 – Present

- Lead SOC monitoring and hybrid security orchestration; design and maintain IR playbooks across client environments.
- Oversee end-to-end vulnerability lifecycle and provide technical remediation guidance to engineering teams.

Zerox Innovation (Pvt.) Ltd.

Penetration Tester

Rawalpindi, Pakistan

Apr 2024 – Apr 2025

- Executed external and internal pen tests across web, network, and application layers; delivered risk-rated reports.
- Built custom automation scripts for reconnaissance, exploitation, and post-engagement workflows.

National Center of Cyber Security (NCCS)

Digital Forensics Intern

Islamabad, Pakistan

Jun – Sep 2024

- Built a C-based SIEM agent for real-time network scanning and log analysis integrated into government infrastructure.
- Operated Wazuh, Splunk, and Kibana for threat detection and forensic investigation in a live environment.

Education

Air University

BSc Cyber Security; GPA: 3.33 / 4.0

Islamabad, Pakistan

2023 – 2027

Technical Skills

Languages & Tools: Python C/C++ JavaScript Bash x86 Assembly Rust SQL BurpSuite Metasploit

Nmap Wireshark

Security / SOC: DFIR Wazuh Splunk Kibana SIEM Engineering Malware Analysis OWASP Top 10 API Security

Red / Blue: Reverse Engineering Binary Exploitation Active Directory Threat Hunting IR Playbooks SOC Ops

Infra / Cloud: Linux Docker Kubernetes AWS / Azure / GCP SSH Tunneling HackerOne OSINT

Key Projects

CortexCLI: C: Linux shell with embedded Google Gemini AI; multilingual support and advanced command execution. (5 stars) [github.com/Dynamo2k1/CortexCLI](#)

SSHield: Python: SSH security and tunneling utility with enhanced authentication and monitoring. (4 stars) [github.com/Dynamo2k1/SSHield](#)

VortexTunnel: Python: High-performance SSH tunneling tool built for penetration testing engagements. (4 stars) [github.com/Dynamo2k1/VortexTunnel](#)

CyberGuard Agent: C: Lightweight SIEM agent for real-time log parsing, event correlation, and anomaly detection. (4 stars) [github.com/Dynamo2k1/CyberGuard_agent](#)

Certifications, Achievements & CTF

Certs: Digital Forensics (NCCS) | Penetration Testing (Udemy) | Reverse Engineering (Udemy) | Web App Security (Udemy)

CTF / Awards: **Top 4% TryHackMe**; **Top 900 HackTheBox**; 34 public repos; 70+ GitHub stars
1st Air University CTF '24 | 2nd Islamabad Cyber Challenge '24 | **Best Pentester**, Cyber Youth Competition '24