

## Fawad Ahmed Mir

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### SUMMARY

Highly skilled Ethical Hacker and Penetration Tester with expertise in Network and Web Penetration Testing, Red Team Operations, and Advanced Security Assessments. Proficient in conducting security assessments across various environments, leveraging hands-on experience with practical tools and real-world attack scenarios to identify and mitigate vulnerabilities. Adept at security automation, exploit development, and adversary simulation, ensuring robust security postures for enterprises. Key Areas of Expertise:

- ✓ **Network & Web Penetration Testing** – Proficient in identifying, exploiting, and mitigating vulnerabilities in networks, web applications, and APIs.
- ✓ **Practical Exploit Development** – Hands-on experience with crafting custom exploits, payloads, and post-exploitation techniques.
- ✓ **Threat Intelligence & Reconnaissance** – Conducts extensive OSINT, subdomain enumeration, and attack surface analysis.
- ✓ **Adversary Simulation & Red Teaming** – Simulating sophisticated attacks to assess real-world security threats.
- ✓ **Security Automation & Tool Development** – Developing custom scripts for automated recon and vulnerability discovery.
- ✓ **Social Engineering & Phishing Attacks** – Designing high-impact phishing simulations to test user awareness and defensive measures.
- ✓ **Incident Response & Forensics** – Investigating breaches and providing detailed forensic reports with mitigation strategies.

### CERTIFICATIONS

- Introduction To Cybersecurity
- Python Essentials-I
- AI Machine Learning & Deep Learning

## WORK EXPERIENCE

Internee Penetration Tester | DevelopersHub

March 2025 – May 2025

**Location:** Remote

- Strengthened application security by transforming the OWASP Juice Shop from a vulnerable state to a secure environment, achieving a **95% reduction in vulnerabilities**.
- Conducted hands-on exploitation and remediation of common vulnerabilities, including **SQL Injection, Cross-Site Scripting (XSS), and weak authentication mechanisms**.
- Implemented **Intrusion Detection Systems (IDS)** and **API security hardening** to enhance backend protection.
- Designed and deployed a **Zero Trust security architecture** and integrated a **Web Application Firewall (WAF)** for proactive threat mitigation.

## CORE COMPETENCIES AND SKILLS

### ✓ Advanced Penetration Testing & Exploitation

- Proficient in conducting red team exercises, leveraging advanced tools and techniques for thorough exploitation and lateral movement.
- Example: Successfully exploited a misconfigured web application to gain unauthorized access to sensitive data in a mock lab environment.

### ✓ OSINT & Reconnaissance

- Expertise in OSINT-driven reconnaissance, gathering actionable intelligence, and identifying attack vectors.
- Found Path Vulnerabilities In University Of AJ&K.

### ✓ Exploit Development & Malware Analysis

- Experience in developing custom exploits and analyzing malicious code to understand and counter-attack methodologies.
- Example: Exploited Vulnerabilities in DVWA using custom-made malware files.

### ✓ Red & Blue Teaming

- Strong background in red teaming operations, simulating advanced persistent threats (APT), and working alongside blue teams to bolster defenses.
- Example: Worked On Juice-Shop To Find Vulnerabilities in it, exploit them and also fix 95% of the vulnerabilities in it.

### ✓ Network and Application Security

- Deep Understanding of securing network and application layers and performing rigorous testing on virtual labs, mock web application, and APIs.

- Example: Discovered and fixed multiple security misconfigurations in mock-web applications, leading to improved security postures.

## **EDUCATION**

**Bachelor in Computer Science**

**Sep 2023 - Present**

University of AJ&K King Abdullah Campus Chattar Klass

**Intermediate**

**Oct 2020 – July 2022**

Govt. Model Science College Muzaffarabad