

# Abdul Rafay

*Passionate about cybersecurity, dedicated to continuous learning and growth in the field.*

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## EDUCATION

### FAST NUCES Islamabad

*Bachelor of Science in Cyber Security*

Islamabad, Pakistan

Aug. 2023 – Present

### Bahria College Anchorage

*FSC Pre Engineering*

Islamabad, Pakistan

Sep. 2021 – June. 2023

## PROJECTS

### OWASP Juice Shop (Web App Pentest Lab) | Kali Linux, Nmap, Burp Suite, SQLmap, ffuf, Wireshark July 2025

- Performed comprehensive web application penetration testing on OWASP Juice Shop, covering authentication, input validation, access control, and sensitive data exposure.
- Exploited SQL injection in login and search functions to bypass authentication and extract sensitive data using SQLmap; successfully conducted brute-force attacks with ffuf.
- Demonstrated privilege escalation via JWT tampering and identified session fixation, XSS, and sensitive data leaks through client-side analysis and API testing.

### Vulnerability Assessment Lab (Metasploitable2) | Kali Linux, Nmap, Metasploit, Burp Suite, SQLmap July 2025

- Conducted a complete vulnerability assessment on Metasploitable2 using enumeration, web scanning, and service fingerprinting tools.
- Gained root access via Metasploit by exploiting vsftpd 2.3.4; confirmed SQL injection in DVWA and extracted database credentials using SQLmap.
- Logged into Apache Tomcat Manager using weak credentials, demonstrating potential for WAR shell deployment and remote code execution.

### Enterprise Network Simulation | Cisco Packet Tracer, Networking May 2025

- Designed and implemented a multi-subnet enterprise network simulation in Cisco Packet Tracer using dynamic routing protocols (EIGRP, OSPF, RIP), route redistribution, and VLSM-based IP addressing.
- Configured and verified enterprise-grade services including DHCP, static NAT, ACLs, email, and FTP with access control, simulating real-world network operations and security policies.
- Demonstrated end-to-end connectivity, inter-network communication, and service validation through IOS command-line tools (ping, traceroute, show ip route) and troubleshooting.

## SKILLS

### Technical Skills

**Tools:** Wireshark, Nmap, JohnTheRipper, LinEnum, NetCat, Burp Suite, Metasploit, Packet Tracer

**Programming Languages:** C++, JavaScript

**OS:** Windows, Linux

**Developer Tools:** Git, VS Code

**Other:** MS Office

### Soft Skills

**Problem-Solving**

**Time Management**

**Teamwork and Collaboration**

**Communication**

### Certifications

**Foundations of Cybersecurity – Google (July 2025)**

**Cyber Security 101 Path – TryHackMe (July 2025)**

*Pre Security Path – TryHackMe (June 2025)*

*Learn React – SCRIMBA (April 2025)*

## LANGUAGE SKILLS

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**URDU:** Native

**ENGLISH:** Fluent