

# Shahzeb Ali

## Cybersecurity Analyst

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## Summary

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Computer Science graduate and Certified SOC Analyst (Level 1) with a unique "purple team" perspective, leveraging offensive security skills to enhance defensive protocols. Proven ability to detect and mitigate threats, demonstrated by uncovering critical logic vulnerabilities in major platforms like Deezer. Proficient in Splunk, Wireshark, and Sysmon, with hands-on experience in full-lifecycle incident investigation, log analysis, and threat hunting.

## Skills & tools

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**Defensive Operations (Blue Team):** Incident Triage, Log Analysis (SIEM), Phishing Analysis, Malware Analysis, Threat Intelligence, IOC Extraction, Windows Log Analysis, Linux Log Analysis.

**Offensive Operations (Red Team):** Vulnerability Scanning, Network Enumeration, Web Application Exploitation (OWASP Top 10), Privilege Escalation.

**Networking & Systems:** TCP/IP, OSI Model, DNS, HTTP/S, Linux CLI, Windows Internals, Active Directory basics.

**Soft Skills:** Analytical Thinking and Problem-Solving, Attention to Detail, Team Collaboration and Communication

**Tools:**

- **Defensive:** Splunk, ELK Stack, MS Sentinel, Wireshark, Snort, Sysmon.
- **Offensive:** Nmap, Burp Suite, Metasploit, Hydra, Gobuster.
- **Frameworks:** ISO 27001, MITRE ATT&CK, Cyber Kill Chain, Pyramid of Pain.

## Projects

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### Independent Security Researcher | YesWeHack Nov 2025 – Present

- Conducted black-box security testing on web applications, focusing on OWASP Top 10 vulnerabilities like Broken Access Control and IDOR.
- Successfully uncovered and reported a logic vulnerability in a major music streaming platform (Deezer), resulting in a patch and bounty reward.

- Analyzed HTTP traffic using Burp Suite to identify discrepancies between client-side controls and server-side validation.

### **Mastercard Cybersecurity virtual experience program on Forage - December 2025**

- Completed a job simulation where I served as an analyst on Mastercard's Security Awareness Team
- Helped identify and report security threats such as phishing
- Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams

### **Deloitte Australia Cyber Job Simulation on Forage - December 2025**

- Completed a job simulation involving reading web activity logs
- Supported a client in a cyber security breach
- Answered questions to identify suspicious user activity

### **Enterprise Phishing & Data Exfiltration Simulation on - TryHackMe - December 2025**

- Conducted a full-lifecycle investigation of a compromised endpoint, reconstructing the Cyber Kill Chain from initial phishing access to data exfiltration.
- Analyzed Sysmon logs to detect "Living off the Land" (LotL) tactics, distinguishing malicious use of Robocopy(for data staging) and PowerShell from benign system noise.
- Identified advanced post-exploitation activities, including network reconnaissance via PowerView and stealthy data theft via DNS Tunneling (decoding Base64 payloads).
- Tools: Sysmon, Log Analysis, Phishing Forensics, MITRE ATT&CK Mapping.

## **Certifications**

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- SOC L1 - TryHackMe.
- Jr Penetration Tester - TryHackMe.
- Fortinet Certified Associate in Cybersecurity(FCA) - Fortinet.
- CyberSecurity 101 - TryHackMe.
- Pre-Security - TryHackMe.
- Linux 100: Fundamentals - TCM Security.
- Python - Codedex.
- Bash Scripting - CodeAcademy.
- ISO/IEC 27001 Information Security Associate™

## **Education**

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### **Bachelor's degree in Computer Science**

Lahore Garrison University - Lahore, Punjab, Pakistan

2020 - 2025