

SYEDA TASKEEN ZEHRA

Backend Developer with Penetration Testing Expertise

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SUMMARY

Motivated and adaptable tech enthusiast with a strong foundation in **cybersecurity** and **backend development**. Experienced in conducting **penetration testing**, **vulnerability assessments**, and building secure backend systems. Skilled in tools like **Burp Suite**, **Nmap**, **Metasploit**, and **ELK Stack/Elastic Search**, with working knowledge of scripting and development using **Python**, **C#**, and **SQL**. Passionate about identifying system weaknesses, securing applications, and writing efficient, secure code. Active participant in **CTF competitions**, cybersecurity bootcamps, and real-world projects that bridge offensive security and software engineering.

EXPERIENCE

VAPT Engineer Intern

Karachi, Pakistan

ThreatCure

04/2025 - 07/2025

ThreatCure is a cybersecurity firm offering AI-based solutions like ShieldOps, BASMAI, and GuardianCare to enhance threat detection and SOC operations.

- Performed **vulnerability assessments** and **penetration testing** to identify and report security flaws.
- Utilized the **ELK Stack (Elasticsearch, Logstash)** for **log analysis**, **event correlation**, and **threat detection** using **EQL queries**.
- Developed and executed **Python scripts** to automate security tasks and streamline threat detection workflows.
- Initiated and tested **SIEM alerts/offenses** using **Postman API** to simulate real-world attack scenarios.
- Conducted **log analysis** and supported **incident response investigations** to strengthen organizational **cybersecurity posture**.

EDUCATION

Bachelor's Of Computer Science

10/2022 - Present

Karachi Institute of Economics and Technology

KEY ACHIEVEMENTS

Regional Cybersecurity Hackathon 2024 (CTF at PC Hotel, Karachi)

- Performed web exploitation, reverse engineering, cryptography, and binary exploitation tasks.
- Used tools like Burp Suite, Wireshark, and Metasploit to find and exploit vulnerabilities.
- Built strong problem-solving and team collaboration skills in time-sensitive scenarios.

Network Scanner – C# (Console App)

Built a console-based **C# .NET application** designed to perform active **network and port scanning**, aimed at aiding ethical hacking, penetration testing, and network diagnostics. The tool identifies live hosts, collects device information, and detects open ports within a specified IP range.

Participated in cybersecurity and programming competitions:

- Speed Programming Competition** – Code JUNG'22, KIET
- Capture The Flag (CTF)** – Code X Sports JUNG'23, KIET
- Pseudowars Competition** – PROCOM'23, FAST NUCES

Song Recommendation App – C#, .NET, Spotify API, JWT, SQL Server

Developed a Windows Forms app that integrates with the Spotify API to recommend songs based on user input. Implemented secure login using JWT and stored user data in SQL Server.

SKILLS

C#, NET Framework, API Integration, SQL Server, MySQL, PHP, Python, JavaScript, HTML5, CSS3, Bootstrap, Web Development, Backend Development, Problem Solving, Analytical Thinking

Web Application Security, Vulnerability Assessment, Penetration Testing, Cyberattack Simulation & Event Detection, Reconnaissance & OSINT, Threat Detection, Security Offense Management, Linux, SIEM Analysis (Elasticsearch, Kibana, EQL), Programming & Scripting, MITRE ATT&CK Framework, Log Analysis, Pentesting Tools

COURSES

Introduction to Cybersecurity – Cisco Networking Academy

Network Cable – LetsDefend

Power of Public Information (OSINT) – Udemy

Introduction to Critical Infrastructure Protection – OPSWAT Academy

Penetration Testing Web Hacking – Ehunar

Data Communication & Networking – KIET