

YASIR HASSAN

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SUMMARY

Computer Engineering student with hands-on experience in cybersecurity, vulnerability assessment, cyber threat intelligence, web security, networking, and security testing. Currently developing practical expertise through cybersecurity internship experience at Safe City Islamabad, academic projects, security labs, and ethical hacking training. Experienced with tools including Burp Suite, Wireshark, Nmap, Cisco Packet Tracer, TryHackMe, Python, and Linux. Interested in pursuing opportunities in cybersecurity, security operations, vulnerability assessment, network security and application security.

EDUCATION

Bahria University

Bachelor of Engineering in Computer Engineering

Islamabad, Pakistan

2023 – Expected 2027

- Relevant Coursework: Network Security, Embedded Systems, Data Structures, Computer Networks, Programming Fundamentals, Microcontrollers & IoT, Artificial Intelligence & Machine Learning
- Areas of Interest: Cybersecurity, Software Development

EXPERIENCE

Safe City Islamabad

Cybersecurity Intern

Islamabad, Pakistan

June 2026 – Present

- Assisted with Vulnerability Assessment activities and security testing.
- Worked with Burp Suite for web application security testing.
- Conducted Cyber Threat Intelligence (CTI) research and analyzed publicly available information related to cyber threats and incidents.
- Developed practical understanding of defensive security operations and security assessment methodologies.

ACADEMIC & PERSONAL PROJECTS

HRMS – Role-Based Human Resource Management System

Academic Project – Java, JDBC, SQL Server

github.com/yasirhassan-sec

2026

- Built a role-based desktop HR system in Java Swing with 6 distinct dashboards (Admin, Director, HR, Team Lead, Accountant, Employee)
- Designed a normalized SQL Server schema and used JDBC (Prepared Statement/Callable Statement) for employee, payroll, attendance, and leave management
- Implemented SHA-256 password hashing, role-based access control, and an audit log for CRUD activity

Enterprise Network Infrastructure Design

Academic Project – Cisco Packet Tracer

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2025

- Designed a scalable campus network simulation following the Cisco 3-layer hierarchical model (Core, Distribution, Access)
- Configured VLAN segmentation, Inter-VLAN routing, NAT, DHCP, and ACLs to secure and manage departmental traffic
- Implemented port security, SSH remote management, and QoS to prioritize critical network traffic

SKILLS

Programming: C, C++, Java, Python, SQL

Security: Vulnerability Assessment, Web Security, Ethical Hacking, OWASP Top 10, CTI, Incident Response Fundamentals, Digital Forensics Fundamentals

Networking: TCP/IP, OSI, DNS, HTTP/HTTPS, SSH, VLAN, RIP, OSPF, Subnetting, Network Troubleshooting

Tools: Git, GitHub, Visual Studio Code, Arduino IDE, Burp suite, Linux, Tryhackme, Cisco Packet Tracer, Nmap, Wireshark