Muhammad Bilal Badar

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🔖 Cybersecurity student with a strong practical focus in system security, CTFs, and hands-on lab work. I'm driven to grow as an ethical hacker, with interest in both attack techniques and defense strategies. Looking for a role where I can learn quickly, contribute to real work, and bring solid curiosity and discipline to the team.

Projects

Network-Sniffer (Completed)

A semester project to build a Python sniffer for packet capture and protocol analysis.

RSA Tool (Completed)

A semester project to create a RSA-based encryption/decryption tool developed in Assembly language for coursework.

VPN-Client-Server (Completed)

A freelancing project to build a Secure VPN tunnel using Python for encrypted communication.

Digital-Shredder (Completed)

A freelancing project to build a high-performance, multithreaded C++ tool that securely overwrites and "shreds" files using parallel processing for fast data destruction.

Sysmon (Completed)

A freelancing project to create a Linux tool for real-time monitoring and security alerts.

VulnSleuth (Completed)

A freelancing project to create a comprehensive vulnerability scanner with both CLI and web dashboard interfaces for ethical security testing and automated vulnerability assessment.

Air_Uni_CAN (Completed)

A semester project to create a simulated Campus Area Network for Air University with secure and scalable network design.

Experience

Offensive Security Intern at ITSOLERA PVT. LTD. (June 2025 - August 2025)

- Contributed to a team project developing an automated recon tool and payload generator.
- Performed targeted web app pentesting on a client's confidential site and documented exploitable issues.
- Collaborated on analyzing CVEs and assessing their impact on real-world environments.

CTI Intern at Resecurity InfoSec (September 2025 - October 2025)

- Conducted threat research, indicator analysis, and brief intelligence reporting.
- Performed recon, vulnerability assessment, exploitation, and post-exploitation in lab environments.
- Reviewed logs, spotted suspicious activity, and documented basic incident findings.

Education

BSc Cyber Security, <u>Air University</u> (2023 - present)
Pursuing a degree to build expertise in Cyber Security.

Intermediate in Computer Science, Fazaia Inter College Peshawar (2021 - 2023)
Completed Intermediate in Computer Science with 81% marks.

Certifications & Courses

- **<u>Certified Ransomware Protection Officer</u> (December, 2025)**

  Specialized certification by <u>International Cyber Threat Task Force</u> on Ransomware Defense Techniques.

- **<u>CSI Certified Linux Investigator</u> (September, 2025)**

  Specialized certification by <u>CSI Linux Academy</u> on Incident Response and Cyber Threat Intelligence.

- **<u>Introduction to OSINT & Forensics</u> (August, 2025)**

  Specialized course by <u>Security Blue Team</u> on OSINT and Digital Forensics.

- **<u>Introduction to Computer and Operating system security</u> (February, 2024)**

  General course by <u>Microsoft</u> on Cyber Security and Defensive Security.

- **<u>Certified Red Team Operations Management</u> (December, 2025)**

  Specialized course by <u>Red Team Leaders</u> on Red Team Operations and Management.

Skills

Technical Skills

- Programming (python, C/C++)
- Linux & security tooling
- CTF
- Security monitoring & defense

Soft Skills

- Team collaboration
- Problem Solving
- Ethical awareness
- Persistence