JALAJ SHARMA

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SUMMARY

Highly motivated and results-driven final-year B.Tech student specializing in Computer Science and Engineering with a focus on Cybersecurity and Digital Forensics. Possessing a strong foundation in **network security, ethical hacking, and incident response**. Proficient in **Java, Python, SQL, and Bash scripting**, and adept at utilizing industry-standard security tools like **Wireshark, Metasploit, Nmap, and Burp Suite**. Seeking to leverage technical skills and problem-solving abilities to contribute to a challenging and dynamic cybersecurity environment.

EDUCATION

VIT Bhopal University, Bhopal   2022 – 2026
B.Tech in Computer Science and Engineering (Cybersecurity and Digital Forensics)   **CGPA: 7.43/10**
Relevant Coursework: Network Security, Cryptography, Digital Forensics, Ethical Hacking, IoT Security, Cloud Security

RBSE, Class 12   2021 – 2022
*Percentage: 84%**

CBSE, Class 10   2019 – 2020
*Percentage: 76%**

TECHNICAL PROJECTS

Cyber Parcel Delivery System with Drone — *Security-focused drone prototype*   2024
– Developed and secured a drone delivery prototype, implementing **AES-256 encryption** for robust, end-to-end communication to prevent data interception.

– Integrated **GPS-based geofencing** to automatically enforce flight boundaries, mitigating unauthorized route deviations and ensuring physical security.

– Conducted comprehensive **penetration testing** using **Metasploit** and **network traffic analysis** with **Wireshark** to identify and patch critical vulnerabilities, enhancing system resilience.

– **Tech Stack:** Python, Raspberry Pi, AES, Wireshark, Metasploit, GPS APIs

Keylogger Debugger and Detector — *Endpoint security tool*   2023
– Engineered a security tool to detect and neutralize malicious keyloggers, employing both **signature-based and heuristic analysis** to achieve a **95% detection rate**.

– Utilized **Python scripting and OS APIs** to monitor system processes and analyze real-time input streams for suspicious activity.

– Reduced the risk of sensitive data compromise by providing an effective defense against keyboard-based attacks.

– **Tech Stack:** Python, OS APIs, Endpoint Security Tools

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, Bash, C++, HTML, CSS, JavaScript, R
Cybersecurity Tools: Kali Linux, Wireshark, Metasploit, Nmap, Burp Suite, OpenVAS, Snort, John the Ripper, Aircrack-ng
Core Domains: Penetration Testing, Ethical Hacking, Network Security, Incident Response, Digital Forensics, Cloud Security (AWS, Azure), IoT Security
Concepts & Methodologies: Cryptography, Risk Assessment, Vulnerability Management, SIEM, OSINT, OWASP Top 10, Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP)

CERTIFICATIONS

– **NPTEL — Cyber Physical Systems** (IIT Madras)

– **IBM — DevOps, Agile and Design Thinking**

– **Adroit Technologies — Prolearn** (Cybersecurity Fundamentals)

– **Cisco — Introduction to Cybersecurity**

ACHIEVEMENTS

– Presided as **Head Boy**, successfully leading a team of **20+ prefects** and implementing key student policies.

– **Two-time State-level Football Champion** (Captain, 2018-2019).

– **Gold Medalist** in the International Mathematics Olympiad (IMO).

– Organized and managed **10+ university-level technical and cultural events** for a student body of over 500.

– Actively volunteered in cybersecurity awareness workshops, educating over 100 individuals on digital safety and best practices.