**Gaurav Sharma**

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**SUMMARY OF QUALIFICATIONS**

* Strong knowledge of cybersecurity fundamentals with hands-on experience in malware analysis, honeypot setups, and secure file encryption
* Proficient in malware detection and analysis techniques using Python tools and virtual environments
* Experienced in setting up and managing honeypots to study malicious attacks and monitor unauthorized access
* Developed secure text and file encryption tools in Java using advanced algorithms like AES, RSA, and Blowfish
* Familiar with network security, penetration testing, and vulnerability scanning using Kali Linux and other tools
* Completed courses on Introduction to Cybersecurity and Pentest+ from TryHackMe
* Certified in Ethical Hacking and Networking from industry-leading platforms
* Strong foundation in Python, with projects focused on simulating secure systems and analyzing communication protocols
* Developed a personal portfolio website showcasing my projects and cybersecurity work

**AREAS OF EXPERTISE**

* **Cybersecurity** – Malware Analysis, Honeypots, Vulnerability Assessment, Ethical Hacking
* **Programming Languages** – Python, Java
* **SIEM** – Splunk, IBM QRadar, Splunk SOAR
* **Networking** – TCP/IP, Network Security, Firewalls, IDS/IPS
* **Tools** – Wireshark, Metasploit, Nmap, Burp Suite
* **Operating Systems** – Linux (Kali, Ubuntu), Windows
* **Encryption** – AES, RSA, Blowfish

**EDUCATION**

**Bachelor of Technology in Computer Science** May 2021 – May 2025

Bikaner Technical University, Bikaner, Rajasthan

**RELATED WORK EXPERIENCE**

**Malware Analysis Lab Project**• Created a Python-based malware analysis lab using virtual machines to isolate and analyze suspicious files in a controlled environment  
• Used tools like Windows Defender and Wireshark to analyze malware behavior, network communication, and potential vulnerabilities  
• Developed reports detailing malware functionality and recommendations for mitigation

**Honeypot Setup Project**• Deployed and configured honeypots to detect and log unauthorized access attempts  
• Collected data on attacker behavior, including brute force attacks, to improve overall network security measures  
• Analyzed the collected data to identify trends in malicious activities and develop strategies to strengthen system defenses

**Text and File Encryption in Java**• Developed a secure text and file encryption tool using Java, implementing encryption algorithms like AES, RSA, and Blowfish  
• Ensured secure data transmission and storage by encrypting sensitive files and messages  
• Created a command-line interface to enable users to encrypt and decrypt files seamlessly

**CERTIFICATIONS**

**• Certified Ethical Hacking – Wscube Tech | August 2023  
• Networking Certificate – Cisco | May 2024  
• Introduction to Cybersecurity – Cisco | August 2023  
• Introduction to Cybersecurity – TryHackMe | September 2024  
• Pentest+ – TryHackMe | September 2024  
• Career Essentials in GitHub Professional Certificate – GitHub | June 2024**

**WEBSITE**

**• Portfolio Website  
https://gaurav-jangid-730.github.io/Portfolio/**

**• A portfolio showcasing my projects in malware analysis, honeypot setup, and encryption tools in cybersecurity and programming**

**TRAININGS**

**• Ethical Hacking Training – Completed August 2023  
Wscube Tech  
• Training focused on ethical hacking, vulnerability assessment, and penetration testing**