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

<u>AREAS OF EXPERTISE</u>

- **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