



SANJAY SINGH

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CAREER SUMMARY

Proactive and detail-oriented cybersecurity professional with hands-on experience in network and web application penetration testing. Passionate about malware analysis, reverse engineering, and advancing into red teaming roles. Skilled in identifying vulnerabilities, exploiting security flaws, and solving CTF challenges. Continuously expanding expertise through certifications and practical experience to achieve the ultimate goal of becoming a red teamer.

SKILLS

- Web application penetration testing
- Vulnerability assessment and exploitation
- Knowledge of OWASP Top 10, Linux Fundamentals, and Pentesting
- Tools: Burp Suite, Nmap, Wireshark, Nessus, Metasploit, RustScan, Hydra, FFUF, Dirsearch, and Amass
- Java Android app development
- Conducting and documenting CTF challenges
- Problem-solving and analytical thinking
- Collaboration and teamwork

PROFESSIONAL WORK EXPERIENCE

- **Confidential** [Dec 2024]
 - Conducted security auditing for an upcoming website, identifying 14 security vulnerabilities.
 - Performed comprehensive web security testing, assessing risks and ensuring compliance with security best practices.
 - Collaborated with the development team to remediate security flaws and enhance website security posture.
 - Provided detailed security reports and recommendations to improve overall application security.
 - Strengthened expertise in vulnerability assessment, penetration testing, and secure coding practices.
- **Alpha Techz** [Sep 2023 – Sep 2024]
 - Developed Java Android applications leveraging Firebase Firestore database for real-time data management and Firebase Cloud Functions for backend logic.
 - Published four Android applications on the Google Play Store, amassing a total of over 3 million downloads.
 - Implemented influencer marketing strategies to boost app visibility and user engagement.
 - Gained hands-on experience in app development lifecycle, including design, development, deployment, and maintenance.
 - Optimized app performance and user experience through regular updates and feature enhancements based on user feedback.
- **Secpy Community** [Nov 2022 – Jan 2023]
 - Conducted comprehensive web application penetration testing on live domains, identifying vulnerabilities and security gaps.
 - Developed a custom methodology for systematic and efficient penetration testing.
 - Utilized a wide range of tools, including Burp Suite, Nmap, Waybackurls, GAU, HTTPX, GF, FFUF, Nuclei, Dirsearch, Dirb, Dirbuster, and Amass, to enhance testing processes.
 - Delivered detailed vulnerability assessment reports with actionable remediation steps to improve application security.
 - Strengthened expertise in web application security and manual and automated testing techniques.
- **Hack Hunt Army** [Aug 2022 – Jan 2023]
 - Completed over 30 TryHackMe rooms, gaining practical experience in cybersecurity concepts and tools.
 - Topics covered include Linux Fundamentals (1, 2, 3), Pentesting Fundamentals, Principles of Security, and Offensive Security basics.
 - Explored web application vulnerabilities and security measures through OWASP Top 10 and Burp Suite modules.
 - Strengthened knowledge of network analysis and traffic inspection using Wireshark.
 - Worked on CTF challenges such as Mr. Robot, Vulnersity, Bounty Hacker, and many more to enhance practical problem-solving skills.
 - Utilized tools like RustScan, Hydra, Metasploit, and others to identify and exploit vulnerabilities in simulated environments.
- **Virtually Testing Foundation** [Oct 2022 – Nov 2022]
 - Enhanced Network Visibility by consistently posting weekly learnings and insights on LinkedIn.
 - Developed professional skills through weekly Business Etiquette tasks, including creating presentations and YouTube videos.
 - Completed various cybersecurity courses and mini certifications, including MITRE ATT&CK, Splunk eLearning, Open-source Intelligence, Network Security, Harmony Endpoint Security, and Cloud Foundations.
 - Gained practical exposure to diverse aspects of information security and industry best practices.
 - Improved technical and communication skills through regular tasks and knowledge-sharing activities.
- **YHills** [Oct 2022 – Nov 2022]
 - Gained foundational knowledge in cybersecurity principles and practices.

- Exploited the EternalBlue vulnerability to successfully hack a Windows 7 machine in a controlled environment.
- Developed hands-on skills in vulnerability identification and exploitation techniques.
- Strengthened understanding of real-world cybersecurity threats and their mitigation.

EDUCATIONAL QUALIFICATIONS

Course/Examination	Institution/University	Year of Passing	Performance
Post Graduate Diploma in Cybersecurity & Law	Institute of Cyber Security and Law, University of Delhi	2025	Pursuing
B.Sc. (Hons.) Computer Science	Sri Guru Gobind Singh College of Commerce, University of Delhi	2024	7.743 CGPA
AISSE (Math's Science)	Vardhman Public School (Mirzapur)	2021	95.8% [479/500]
AISSE	Vardhman Public School (Mirzapur)	2019	93.6% [468/500]

AWARDS & ACHIEVEMENTS

- **Student Achiever's Award – Special Category** (Sri Guru Gobind Singh College of Commerce, Delhi University) [2024]
 - For running a coding community – **Coding Saathi** (codingsaathi.tech)
 - Mentored more than 1000+ students in just 6 months
- **Microsoft Certified:** Security Operations Analyst (**SC-200**) [2023]
- **(ISC)² Certified:** Certified in Cybersecurity (**CC**) [2022]
- **Microsoft Certified:** Security, Compliance, and Identity Fundamentals (**SC-900**) [2022]
- **Coursera Certified:** Google Cloud Digital Leader Specialization [2022]

POSITIONS OF RESPONSIBILITY

- **Advisory (Infinity – The Technology Society – Sri Guru Gobind Singh College of Commerce)** [Jul 2023 – Apr 2024]
 - Organized and led various offline events to foster the society's growth and promote its initiatives, contributing to the overall upliftment of the technology society.
- **Executive Member (Internal Quality Assurance Cell – Sri Guru Gobind Singh College of Commerce)** [Feb 2022 – Apr 2024]
 - Actively contributed to the enhancement of campus activities by suggesting innovative ideas and improvements to ensure better quality assurance in college processes.
- **Team Coordinator (Infinity – The Technology Society – Sri Guru Gobind Singh College of Commerce)** [Jul 2022 – Jul 2023]
 - Managed communication and coordination between office bearers, department heads, and team members to streamline workflow and ensure smooth operations within the society.
- **Member (NSS – National Service Scheme – Sri Guru Gobind Singh College of Commerce)** [Sep 2022 – Aug 2023]
 - Conducted research and contributed fresh ideas to enhance the legacy of NSS and improve its initiatives, positively impacting the community outreach efforts.
- **Volunteer (Internal Quality Assurance Cell – Sri Guru Gobind Singh College of Commerce)** [May 2022 – May 2022]
 - Ensured efficient management and parent availability during the NAAC visit, facilitating a seamless and organized process for the college campus visit.
- **Campus Ambassador (Rotaract Club – Sri Guru Gobind Singh College of Commerce)** [Feb 2022 - Mar 2022]
 - Increased event participation and engagement through strategic promotion, significantly enhancing reach and visibility for Rotaract Club events.

OTHER INTERESTS & ACTIVITIES

- Learning Cyber Security and Cloud Computing
- Keeping myself updated with newer technologies
- Listening music
- Reading online forums, POCs and e-books