

Saransh Chauhan

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EXPERIENCE

Network Security Engineering Intern

Global Institute of Cybersecurity and Ethical Hacking (GICSEH)

May 2023 – August 2023, New Delhi, India

- Developed and executed a meticulously designed and efficiently functioning network infrastructure, resulting in a significant optimization of up to 50% compared to its previous state.
- Successfully **integrated cutting-edge security protocols including IPSec, SSL**, and other advanced measures, fostering enhanced efficiency and utmost security in network communication.

Cybersecurity Intern

Panacea Infosec Pvt. Ltd.

January 2021 – March 2021, New Delhi, India

- Created and executed efficient cyber security strategies** to preserve the protection of computer files from unauthorized alteration, damage, and exposure.
- Identified over 30 new viruses and malware while maintaining the security and monitoring of more than 60 websites without any significant security breaches.
- Reduced security risks by 20%** by installing physical access controls.
- Implemented data protection strategies through the deployment of firewalls to protect 80% of data.

Security Intern

Safe Securities Pvt. Ltd.

November 2018 – January 2019, New Delhi, India

- Implemented Security Policies** to ensure confidentiality, integrity, and availability of the corporate IT platform, reducing the rate of security incidents by 60%.
- Reduced security threats by 40% through regular vulnerability scans and penetration testing, identifying and **remediating 36 vulnerabilities**.
- Designed contingency plans to safeguard data and protect clients hence reducing emergency response time by 15%.

PROJECTS

Implementation of Hybridized Cryptographic Techniques for Secure Communication

January 2022 – May 2022

SRM Institute of Science and Technology

- Implemented an algorithm for the encryption and decryption of textual data resulting in a **23% improvement in efficiency**.
- Advanced a novel approach for text conversion with $O(n \log n)$ time complexity, transforming alphabetic text to encrypted form and vice-versa.
- Developed and maintained secure code practices, ensuring that the software adheres to security standards and protocols, reducing security vulnerabilities by 35%.

Student Attendance System using Blockchain Technology

July 2021 – December 2021

SRM Institute of Science and Technology

- Conceptualized an advanced student attendance system featuring a 17% more efficient algorithm.
- Authorized real-time attendance data and reporting, enabling instructors to quickly identify and address attendance issues, leading to a **20% improvement in student engagement and attendance**.
- Increased accuracy of student attendance records by 30% through the implementation of the advanced attendance system.

EDUCATION

Masters in Cybersecurity

University of Maryland • College Park, Maryland • 2024 • 3.46/4.0

Bachelors in Technology, Computer Science and Engineering

SRM Institute of Science and Technology • Tamil Nadu, India • 2022 • 9.46/10.0

CERTIFICATIONS

Cisco Certified Network Associate (CCNA)

Cisco • 2023

Acquired knowledge of computer networking and security, gaining a deep understanding of key concepts and technologies. Demonstrated expertise in Network Subnetting, OSI Layer protocols, Network Topology, Wireless Networking, and other essential areas. Developed practical skills through hands-on experience in setting up, configuring, and troubleshooting network environments.

Certified Ethical Hacker v11 (CEH)

Council of Ethical Hacking • 2021

Acquired hands-on experience in domains of ethical hacking, including Vulnerability Assessment and Penetration Testing (VAPT), Red Teaming, Network Security Assessment, Website Penetration Testing. Deepened understanding of cyber security principles through exposure to advanced topics, including Static Application Security Testing (SAST), Reverse Engineering, and others. Participated in simulated real-world ethical hacking scenarios, honing skills in identifying and mitigating security risks in environments.

SKILLS

Programming Languages: C, C++, Python, Java.

Technical Expertise: Unix and Linux Operating System, Linux Development, Wireshark, Computer Networking (TCP/IP Protocols), Network Security, Network Penetration Testing, Nessus, Web-Application Security, Cryptography, MySQL, Cloud Security, MS Office Suite, Splunk, Cisco Firewall, Information Security.

Other Skills: Code assessment using Static Application Security Testing (SAST).