

Sanskar Singh Chandel

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Education

VIT Bhopal University

Integrated Masters

Major in Computer Science and Engineering; Minors in Cyber Security

Cumulative GPA: 8.62/10

Bhopal, Madhya Pradesh
Jun 2021 – May 2026 (Expected)

12th Standard

St. Atulanand Convent School

CBSE Percentage: 85.8%

Varanasi, Uttar Pradesh
May 2020

10th Standard

Gyandeep English School

CBSE Percentage: 90.2%

Varanasi, Uttar Pradesh
May 2018

Experience

Oshin OS

Python Developer

Bhopal, Madhya Pradesh
Jul 2022 – Dec 2022

- Developed custom scripts for a secure Linux-based OS to remove system bloat and improve system efficiency by 20%.
- Built a Python-based study software using BeautifulSoup for fetching resources and QT for a seamless user experience.
- Automated repository updates and package management using bash scripting and reduced 50% manual workload.

Projects

HySec Chat - Encrypted Chat Server

May 2024 – Jun 2024

- Architected a secure chat server with AES and RSA encryption in Python, enabling encrypted communication over an insecure channel with public-private key exchange and symmetric encryption for message security.
- Implemented encrypted message broadcasting, where AES keys are securely exchanged using RSA, ensuring confidentiality and integrity in multi-client communication.

Airsector - Wireless Network Auditing Tool

Aug 2024 – Dec 2024

- Engineered a hardware-based wireless network auditing tool that identified vulnerabilities across 300+ networks.
- Implemented recommendations that reduced potential security risks by 40% and improved compliance with industry standards.
- Developed advanced penetration testing features that captured over 1000 WPA/WPA2 handshakes and simulated Evil Twin attacks on over 50 targeted access points, enhancing overall network vulnerability assessment capabilities.

Co-curricular

Competitive Coding

- Solved 350+ Data Structures and Algorithms (DSA) problems on platforms like LeetCode and GFG with 97% accuracy rate.
- Achieved maximum rating of 1460 and a global 502,256 out of over 6 million participants.
- Earned a 5-star rating in Python on HackerRank, demonstrating advanced proficiency in problem-solving, algorithms, and efficient code implementation.

Certificates

- Pursuing AWS Solutions Architect – Associate certification (Expected Completion: April 2025).
- Currently learning Japanese (N4-N5 level) with foundational reading, writing, and conversational skills.

Responsibilities

Linux Club

Technical Lead

VIT Bhopal
Nov 2023 – Dec 2024

- Designed 30+ CTF challenges (Linux Club) for a 72-hour event with 500+ participants, covering reverse engineering, web security, and code analysis.

AdVITya

Event Coordinator

VIT Bhopal

Feb 2024 – Feb 2024

- Organized and managed a Silent Disco 6-hour event for 200+ attendees for the annual college fest AdVITya, ensuring a seamless experience.

Additional

Technical Skills: Python, Git, Docker, MySQL, Bash/Shell Scripting.

Certifications: Bits and Bytes of Comp – Jan 2023. | Blockchain and its application (NPTEL) – May 2024. | Certified Network Security Practitioner (CNSP) SecOps - Mar 2025 | Certified AppSec Practitioner (CAP) with Merit, SecOps - Mar 2025