

# Saharsh Bhansali

Sophomore Student

I am a student with a passion for learning and a strive for efficiency in solving pervasive problems. I constantly look for ways to improve and expand my skill-set. I work well in both leadership and team-oriented roles where I can deftly use communication, organization, and interpersonal skills to shape successful outcomes. My domain of interest is Cyber Security, with a focus on reverse engineering and malware.

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## EDUCATION AND CERTIFICATIONS

### Bachelor's of Technology

Vellore Institute Of Technology (VIT), Vellore

09/2021 - Present

CGPA: 9.27/10

Course: Computer Science and Engineering

- Specialization in Information Security

### CEH and eJPT Certifications

Online (Pursuing)

12/2022 - Present

### Secondary School

Bhavan's Rajaji Vidyashram (BRV)

05/2017 - 05/2021

Avg: 96.4%

Board: CBSE

- Computer Science, Mathematics, Physics, and Chemistry

## PROJECTS

### ACM-VIT: accessDenied (12/2022 - Present) [🔗](#)

- <https://github.com/ACM-VIT/accessDenied>
- Proof of concept demonstrating a distributed authentication system inspired by zero-knowledge proofs (zk-SNARKS), blockchain, and distributed computing concepts, as an alternative to current OAuth implementations.

### Automated Assault Detection Using Wearable OS

(09/2022 - Present) [🔗](#)

- <https://github.com/saharshbhansali/Devjams-22>
- Inspired by iPhone 14's crash detection feature, this project uses sensors present in wearable smart devices (smartwatches), along with a Teachable Machines AI audio model to predict if the wearer is under duress or being assaulted and makes an automated call to emergency services.

### ACM-VIT: CyberSec-Shenanigans (10/2022 - 10/2022) [🔗](#)

- <https://github.com/ACM-VIT/CyberSec-Shenanigans>
- Hacktober Fest 2022 - Maintainership
- This project was intended to introduce people to basic implementations of ciphers and encryption schemes used throughout history and help them learn the working of these algorithms and understand the math and computer science behind them.

### System Administration (Linux & Windows) (09/2021 - Present) [🔗](#)

- <https://github.com/saharshbhansali/.dotfiles>
- Maintainership of my personal Linux and Windows devices and VPSes. Includes shell scripts and configurations for ease of life and quick setup of new devices.

### Multiplayer AI Connect-4 Game (12/2020 - 01/2021)

- This project was developed to explore the domain of AI, using Python to implement a simple heuristic-based AI opponent that chooses the best move using the Min-Max algorithm.

## SKILLS

Cyber Security Linux Shell Scripting

System Administration Networking

Python C/C++ Web Development

Content Writing Digital Design

Social Media Management Java

## ORGANIZATIONS

### Association for Computing Machinery - Student Chapter, VIT (03/2022 - Present)

Researching various subdomains of Cyber Security including cryptography, VAPT, reverse engineering and malware.

### The Next Chapter - Club, VIT (03/2022 - Present)

Editorial - Content writing (blogs, event descriptions, captions, etc) and proofreading. Digital design for social media (posts, stories, etc).

### Student Council, BRV (04/2020 - 04/2021)

Health Ambassador: Worked on multiple student welfare initiatives as part of the student council, including awareness about the COVID-19 pandemic.

### The Debate Club, BRV (03/2019 - 03/2021)

Designed relevant material and oversaw the technical operations for all the events conducted by the club.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Tamil

Limited Working Proficiency

Japanese

Elementary Proficiency

## INTERESTS

Capture The Flags

Bug Bounty

Hackathons

Ricing

Chess