

# Tushar Agarwal

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## Summary

A Highly motivated Full Stack Developer, seeking a challenging position to utilize my skills in developing and designing user-friendly application. Eager to leverage my technical skills, creativity, and passion for problem-solving to provide top-notch solutions that align with client needs and drive company growth.

## EDUCATION

### Vellore Institute of Technology, Bhopal (2022-Present)

Undergraduate in Computer Science and Engineering Core branch

### O.P. Jindal School, Raigarh Chhattisgarh (2021)

Class-XII 80%

Class-X 90.6%

## ACHIVEMENTS

### SAE India – AeroTHON (June 2023)

- **A National Level Drone** building hackathon conducted every year where we were given the task to present our idea on a drone which uses advance navigation system, unique payload mechanism, cost efficient and easily operatable.
- More than 200 teams participated and **we Secured 32th** rank as a team in the final round.
- Used Industrial level software like **Fussion360** which I used to designed the structure and models of the quadcopter and implemented solution for advance weight-carrying, visually capable drones.

## SKILLS

|                  |   |
|------------------|---|
| Languages        | : C, C++, Python, JS                                    |
| Framework, Tools | : HTML, CSS, ReactJS, GSAP, Git, Framer-motion, draw.io |
| Backend          | : NodeJS, ExpressJS, FastAPI                            |
| Database         | : MongoDB, PostgreSQL, MySQL, SQLite                    |

## PROJECTS

### Sanrakshan[\[Github\]](#) (Aug 2024-present)

- Sanrakshan is a media webapp which aims to make a Real-time interactive application in which alerts can be send in form of geolocation to nearby authorities and emergency contacts.
- It also shows hotspots in the user city as red areas using combination of **Google Maps API and SQLite**.
- Uses **FastAPI** as backend for faster data transfer and **socket.io** (under development).

### Club Website [\[Website\]](#) [\[Github\]](#)(July2024)

- **IEEE (International Electronics and Engineering)** Student branch is society of students and teachers, came together to create an organization to provide industry ready tech knowledge with good levels of hackathons and FTG's.
- For the mission to scale we created a website using **ReactJS** where Users can the see latest updates within the society and can register themselves through the site.

### Ecommerce Website [\[Github\]](#)(May 2024)

- Udemmy is an Ecommerce Website built using MERN stack technology where Users can view Products and keep them in the cart and place an order with unique purchase id.
- It uses **Vite React** for Frontend and **NodeJS** as backend with **Slugify** API for transferring Product files.

### Blog Website [\[Website\]](#) [\[Github\]](#)(Feb 2024)

- A simple Node and Express JS application where I write Blogs, Readers can also login and create blogs using Admin Portal. They get the facility of CRUD for their own blogs without effecting others.
- **MongoDB** is used as DB to blogs and user's user info and Users can use the shared space to write their own content.