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, NEXT.js, Github, Typescript
Backend	**:** NodeJS, ExpressJS, FastAPI
Database	: MongoDB, PostgreSQL

PROJECTS

Health App [[Github](#)] (March 2025-present)
- Sanrakshan is a health care webapp which aims to provide an interface where any user can get info about health care professionals and health providing Organizations for their particular needs built using **NEXT.Js** and **Typescript**.
- User gets accessibility of different languages to get better understanding on the information and breaking the language barrier.
- Used **Node with Express JS** and **FastAPI** as backend for authentication and faster data transfer between the multiple server and client as well as **WebSocket** for Real time info exchange**.**

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)
- Udemy 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.