

## Education

**Vellore Institute of Technology, Bhopal**  
Bachelor of Technology in Computer Science and Engineering (CSE)

**CGPA: 8.50**  
Sept 2022 – Present

## Technical Skills

<b>Languages:</b>	C++, Python, JavaScript
<b>Web Development:</b>	HTML5, CSS3, Bootstrap, RESTful APIs, Tailwind CSS
<b>Full Stack:</b>	MERN (MongoDB, Express.js, React.js, Node.js), CRUD operations
<b>Machine Learning:</b>	Scikit-learn, TensorFlow, Keras, NLP
<b>Databases:</b>	MySQL, MongoDB
<b>Dev Tools:</b>	Git, GitHub, Docker, Postman, VS Code, Figma
<b>Auth &amp; Deployment:</b>	Firebase Auth, JWT, Vercel, Render

## Projects

### FuelBuddy — On-Demand Fuel Delivery Platform

*MERN, Firebase Auth, Razorpay*

- Developed a full-stack platform enabling 100+ users to request doorstep fuel delivery with 99.9% uptime.
- Implemented real-time tracking using Socket.IO and Mapbox, reducing delivery errors by 30% via OTP verification.
- Integrated Razorpay for seamless payment processing with 0% transaction failures; secured user management via Firebase Auth.
- Deployed on Vercel and Render; managed 500+ live orders monthly at an operational petrol pump.

### Juno — AI Chatbot for Women's Rights and Safety

*Dialogflow, Node.js, Express.js*

- Designed an NLP chatbot delivering legal, health, and safety guidance, validated with 100+ test dialogues.
- Engineered custom dialogue management using Dialogflow ES with Node.js/Express.js backend, improving response accuracy by 25%.
- Enabled cross-platform access via iframe embedding and deployed on Render, achieving 99.8% availability.

### Skillzy — E-commerce Web App for Online Courses

*MERN, Stripe API, JWT*

- Built MERN-based platform supporting course discovery and enrollment with 50+ active beta users and secure JWT authentication.
- Integrated Stripe API for payment simulation and role-based access control, streamlining admin workflows and enhancing security by 40%.
- Automated CI/CD pipeline on Render ensuring zero downtime and continuous delivery with 99.9% uptime.

## Certifications

- **IBM:** DevOps, Agile & Design Thinking
- **NPTEL – Cloud Computing (IIT Kharagpur):** Elite + Silver, Top 5%

## Extracurricular

- **Core Design Member – GeeksforGeeks Campus Club:** Created UI/UX content and visuals, boosting social platform engagement by 200+ students.
- **LeetCode (Contest Rating: 1443):** Solved 500+ problems and participated in regular contests, demonstrating strong algorithmic problem-solving skills.