

# Mallika Manish Rajpal

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## EDUCATION

### Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science

CGPA: 8.5

Sept. 2022 – Present

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, HTML/CSS,

**Frameworks:** React, Node.js, Flask

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ

**Auth & Deployment:** JWT, Render, Vercel,

**Database:** MySQL, MongoDB **Libraries:** pandas, NumPy, Matplotlib

## PROJECTS

### FuelBuddy — On-Demand Fuel Delivery Platform | MERN, Firebase Auth, Razorpay April 2025 – Present

- 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 May 2025 – Present

- 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 Nov 2024 – Present

- 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
- SmartBridge: Full Stack Development

## 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