

Mallika Manish Rajpal

9922099811 | mallikarajpal718@gmail.com | [linkedin](#) | [github](#)

EDUCATION

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science

CGPA: 8.53

Sept. 2022 – Present

TECHNICAL SKILLS

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

Frameworks: React, Node.js, Express.js

Developer Tools: Git, VS Code, Visual Studio

Auth & Deployment: JWT, Render, Vercel,

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

PROJECTS

Juno — AI Chatbot for Women's Rights and Safety | *Dialogflow, Node.js, Express.js* May 2025 – July 2025

- 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 – Dec 2024

- 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.

Doctor's Aid — Hospital Automation System | *Django, React.js, REST API* Apr 2024 – Aug 2024

- Developed and deployed a **Diabetes Prediction model** using Stacking Ensemble (Logistic Regression, Random Forest, XGBoost) with 77.27% accuracy, enhancing early diagnosis efficiency by 15%.
- Integrated model with Django backend via REST APIs, enabling real-time predictions within RBAC-enabled dashboards managing 500+ patient profiles.
- Optimized hospital scheduling workflows, reducing average patient wait times by 35%.

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