TARUN PARMAR

Bhopal, MP

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Education

Lakshmi Narain College of Technology and Science	**2021 – 2025**
B.Tech - Computer Science and Engineering - **8.26** *CGPA*	*Bhopal, Madhya Pradesh*
Orion International School	**2020 – 2021**
CBSE - Class XII - **93.8** *%*	*Bhopal, Madhya Pradesh*

Projects

Chit Chat ⬈ | Material-UI, ReactJs, NodeJs, ExpressJs, MongoDB, Socket.io **May 2024**

- Developed a real-time chat application with secure user authentication, utilizing React, Redux, and Material-UI for a seamless user experience and aesthetic interface.
- Implemented an efficient message handling system by leveraging MongoDB and Socket.IO, ensuring quick data retrieval and real-time communication for optimal performance.
- Built robust group chat support, incorporating dynamic user notifications and online status updates to enhance user engagement and interaction.
- Designed a scalable backend using Node.js, Express.js, and MongoDB, optimizing data management through indexing and pagination for fast and reliable message storage and retrieval.
- Integrated advanced features such as secure file uploads and automated notifications, enhancing user experience and maintaining data integrity across the platform.

Rubik's Cube Solver ⬈ | OOPS, C++ **Mar 2024**

- Modeled a virtual Rubik's Cube (3x3) in different models/classes in C++.
- Implemented DFS, BFS, and IDDFS algorithms to achieve comprehensive solutions for the Rubik's Cube in under 20 moves.
- The structured modeling of the cube ensured proper storage and application of OOP concepts, while advanced algorithms facilitated efficient and effective solving.

Udyam-Connect ⬈ | JavaScript, ReactJs, Tailwind, MySql, Django **Oct 2023**

- Developed a comprehensive web platform tailored for Medium, Small, and Micro Enterprises (MSMEs), facilitating seamless buying and selling of products.
- Implemented a rigorous GST verification system to safeguard against fraudulent activities, ensuring the registration of only legitimate companies.
- Empowered MSMEs with a user-friendly interface to streamline procurement processes and optimize business transactions.
- Spearheaded the design and deployment of advanced features, enabling businesses to expand their market reach and foster growth opportunities.

Achievements

- Achieved a ranking of 1884 out of 35,000+ participants in the LeetCode Weekly Contest 405.
- Secured a place in the final round of the National-Agro Hackathon competing against 60+ teams.
- Mastered Data Structures and Algorithms by solving 900+ problems across diverse coding platforms.
- Achieved first place in the chess competition organised by the college.
- Secured 10th place in the intra-college HackerCup coding contest.

Technical Skills

Languages & Libraries: C++, JavaScript, SQL, ReactJs, NodeJs, MUI
Tools & Software: Github, MongoDB, VS Code, Postman
Others: Database Management System, Object Oriented Programming, Data Structures