

Saransh Parikh

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Education

Indian Institute of Technology Kharagpur

CGPA: 8.05/10.00

Dual Degree - Biotechnology and Biochemical Engineering, Micro Spec. - Entrepreneurship and Innovation 2019 - 2024

- **Relevant Coursework:** Design and Analysis of Algorithms (C++), Programming and Data Structures (C), Probability and Statistics, Theory of Operating Systems

Achievements

- **Specialist @ CF, 590 @ GFG** leaderboard, among top **3000** students qualified for **Amazon ML Summer School 2022**
- Ranked **1769** in **Google Kickstart Round C 2022**, **649** in **Codeforces Round 946**, **734** in **Codeforces Round 938**
- Led the Product Design team to **Gold** in the General Championship as team's captain among 20+ competing teams

Experience

CloudOptix Pvt. Ltd.

May 2023 – July 2023

Software Development Intern

- Retrieved the timestamped data from system via **Telegraf** and imported data in **InfluxDB** for **Time Series** analysis
- Containerized all the dependencies to enhance the scalability and simplified deployment processes through **Docker**
- Devised insightful dashboards for users' data interpretation and enhanced website's analytics capacity via **Grafana**

Bridge Healthcare Pvt. Ltd.

June 2022 – July 2022

Web Development Intern

- Constructed the frontend of the healthcare app via **Figma** and implemented the interactive UI through **QT Creator**
- Familiarised with **Google Firebase OAuth** functionality for user authentication and authorization to the application

Projects

Chat App

- Deployed a mobile responsive Chat App via **MERN** stack and used **Redux toolkit** for global state management
- Curated **REST APIs** for user auth, chat and message management and integrated **Cloudinary** to upload avatars
- Incorporated **Socket.io** for real-time, bidirectional conversations, created an admin **dashboard** using **chart.js**

Ecommerce Site

- Developed an E-commerce app via **MERN** stack and **Redux toolkit** for global state management using **TypeScript**
- Integrated **Google Firebase OAuth** for authentication and authorization and **Stripe** for secure online transactions
- Designed **REST APIs** for various functionalities, and built an admin **dashboard** for analytics and administrative tasks

Quiz Game

- Implemented an immersive mobile responsive **JavaScript** app with **Redux toolkit** for global state management
- Integrated the **Open Trivia DB** for seamless retrieval of questions, enhancing user engagement and interactivity

Competitions

Product Design GC 2023, IIT Kharagpur

Design a hardware product to ensure that the rider wears the helmet all the time and does not ride intoxicatedly

- Designed helmet module to check if the helmet is worn or not while it is also checked if alcohol is consumed or not
- In case an accident is detected, the location of the vehicle is sent to close contacts provided by the user in real time

Opensoft GC 2022, IIT Kharagpur

Create a food delivery application to ensure the availability of essential services during the downtime of the data center

- Built the frontend app and a dashboard to visualize the up-down status of microservices via **React.js** and **MaterialUI**
- Engineered **REST APIs** using **Django REST Framework** and wrote unit tests for endpoints handling edge test cases
- Containerized the microservices via creating **Docker** images for all the dependencies to enhance the scalability

Technical Skills

Languages: C++, C, JavaScript, TypeScript, Python, SQL

Technologies: Node.js, React.js, Express.js, MongoDB, Socket.io, Redux, Prisma, InfluxDB, Docker, Django