Saransh Parikh

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Education

Indian Institute of Technology, Kharagpur   Expected May 2024
Biotechnology and Biochemical Engineering (B.Tech and M.Tech - Dual Degree) (GPA: 8.16 / 10.00)   *Kharagpur, West Bengal*
- **Relevant Coursework:** Design and Analysis of Algorithms (C++), Programming and Data Structures (C), Probability and Statistics, Theory of OS, Linear Algebra, DL Foundations and Applications, Statistical Foundations for AI and ML

Achievements

- **Specialist @ CF**, 483 @ **GFG** leaderboard, among top **3000** students qualified for **Amazon ML Summer School 2022**
- Ranked **1769** in **Google Kickstart Round C 2022**, **1584** in **Codeforces Round 886**, **1406** in **Codeforces Round 916**

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
- Containerised 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**
- Used **AWS** services like **Cognito**, **Chime** to stream, **Elastic Beanstalk** to deploy, **Amplify** to host & **Payment API**

Projects

Chat App | *React.js, Node.js, MongoDB, Express, Redux, Socket.io*
- Deployed a robust Chat App via **MERN** stack and used **Redux** for state management of user, chat, and message
- Curated **REST APIs** for user auth, message and chat management, send attachments, upload avatar on cloudinary
- Incorporated **Socket.io** for real-time, bidirectional conversation, created an admin **dashboard** using **chart.js**

Ecommerce Site | *React.js, Node.js, MongoDB, Express, Redux, TypeScript*
- Developed a robust Ecommerce app via **MERN** stack along with **TS**, ensuring high performance and maintainability
- Designed **REST APIs** for user auth, product and cart management, used Google Firebase OAuth for user auth
- Integrated **Stripe** for secure online transactions and built an admin **dashboard** for analytics & administrative tasks

Quiz Game | *React.Js, Node.js, Open Trivia DB, Express.js, Redux*
- Implemented a responsive **JavaScript** app with **Redux** for state management, prioritizing smooth user experiences
- Integrated the **Open Trivia DB** for seamless retrieval of questions, enhancing user engagement and interactivity

Competitions

Opensoft GC 2022, IIT Kharagpur
Create a food delivery application to ensure the availability of essential services during the downtime of the data center
- Created a **Microservice** architecture-based app with **Hybrid Cloud** to minimize loss due to unavailable vital services
- Developed frontend via **React.js**, APIs via **Django**, and a **Grafana** dashboard for the visualization of cluster metrics
- Ensured smooth Data Replication and syncing amongst the microservices clusters using Message Broker **RabbitMQ**
- Simplifed the scaling of the app via **Kubernetes** as an orchestrator and containerized the microservices via **Docker**

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
- Led the team to win the **Gold** Medal in the General Championship as team's captain among 20+ competing teams
- 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 of an accident being detected, the location of the vehicle is sent to close contacts provided by the user

Technical Skills

Languages: C++, C, JavaScript, TypeScript, Python
Technologies: Next.js, React.js, Node.js, Django, Express.js, Prisma, Tailwind, Docker, InfluxDB, MongoDB, SQL, Socket.io