

Samrat Roy

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EDUCATION

RCOEM Nagpur

B.Tech - Computer Science and Engineering : CGPA: 8.8(Till 5th Sem)

Nagpur, India

May 2025

Narayana Vidyalayam Nagpur

XII : Percentage (92%)

Nagpur, India

July 2021

Air Force School Bagdogra

X : Percentage (94%)

Siliguri, India

May 2019

EXPERIENCE

Homeo | Live | Repository

Full Stack Intern

Mar – May 2023

Remote

- Developed the frontend using **React JS** and **Tailwind CSS** according to the requirement of the client.
- Incorporated User Information using **Realtime DB** using **Firebase**
- Technologies Used:**React JS,Tailwind CSS,Context API,Firebase,Realtime DB,Netlify(Deployment).**

PROJECTS

TrailerFlix | Live | YouTube Link

Repository

- An **user-driven platform** for watching and sharing new movie trailers with friends and family.
- Implemented **Authentication** system using **Firebase** and storing user data in **Firestore** .
- **Fetch**ed multiple movies data from the **TMDB API** using **Axios**.
- Integrated **Secured Payment Gateway** for **subscription** plans using the **Stripe API** .
- Developed a robust system of fetching the desired movie trailer from the **YouTube API**.
- Developed a mechanism to share the selected URL in famous Social Media Applications.
- Technologies Used:**React JS,Tailwind CSS,Context API,Firebase,Firestore(Cloud),Node JS,Express,Netlify,Render(Deployment).**

Tesla E Commerce | Under Development

Repository

- A complete end to end **full stack clone** of Tesla E- commerce Web Application.
- Implemented User Authentication Using **Firebase** for both User Application and Admin Dashboard.
- Developed **Add to Cart** functionality using **React-Redux** state management Library.
- Integrated **Secure Payment Gateway** for payment of selected products in the cart using the **Stripe API** .
- **Protection** of the route storing the order details with the user address in **Mongo DB** after successful payment.
- Developed a system for the admin of the application to handle orders after payment.
- Technologies Used:**React JS,React-Redux Toolkit,Tailwind CSS,Firebase,Firestore(Cloud),Mongo DB , Node JS,Express,Netlify,Render(Deployment).**

ACHIEVEMENTS

- Secured under 1500 rank in leetcode Biweekly Contest 121 (**Top 6%** of the participants).
- Secured under 2000 rank in leetcode Biweekly Contest 118 (**Top 9%** of the participants).
- Leetcode:Contest Rating (1500+)
- Recipient of **Subroto Mukherjee Student Scholarship** by **Indian Air Force** for academic accolades.

TECHNICAL SKILLS

Languages: **C++, Python, Java,C, SQL (Oracle), HTML, CSS, Javascript**

Frameworks: **React JS, Node JS, Express JS, Pandas,Tailwind CSS**

Databases:**Mongo DB , Realtime DB (Firebase)**

Tools:**Git,Netlify,Render,Linux,Firebase,React-Redux**

Explored: **Docker, Kubernetes,Microsoft Azure, Machine Learning, Deep Learning**