Samrat Roy

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EDUCATION

RCOEM Nagpur   Nagpur, India
*B.Tech - Computer Science and Engineering : CGPA: **8.7**(Till 5th Sem)*   *May 2025*

Narayana Vidyalayam Nagpur   Nagpur, India
*XII : Percentage (**92%**)*   *July 2021*

EXPERIENCE

Homeo | Live | Repository   Mar – May 2023
Full Stack Intern   *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

ImageRestoration| Live | YouTube Link   Repository
- Developed a system to authenticate users using Email Verification using Firebase securing **99%** security.
- Integrated Deep Learning Models such as **ESRGAN , MAXIM-tensorflow, Image Inpainting** giving results as high as **98.78%.**
- Technologies Used:**React JS,Tailwind CSS,Styled Components,Context API,Firebase,Firestore(Cloud),Node JS,Express,Tensorflow JS,Netlify,Render(Deployment).**

TrailerFlix | **Live** | **YouTube Link**   Repository
- Implemented **Authentication** system using **Firebase** and storing user data in **Cloud Firestore .**
- Integrated **Secured Payment Gateway** for **subscription** plans using the **Stripe API** on test mode.
- Developed a robust system of fetching the desired movie trailer from the **YouTube API** with **92%** accuracy.
- Technologies Used:**React JS,Tailwind CSS,Context API,Firebase,Firestore(Cloud),Node JS,Express,Netlify,Render(Deployment).**

SportsGram |Under-Development   Repository (Private)
- Implemented **Authentication** system using **JWT Tokens** and **Designed Schemas for User Database**
- Implemented **User Driven Interface** for the application.
- Developed a **scalable** Backend implementing the essential functionalities.
- Technologies Used:**React JS,Tailwind CSS,Redux-Toolkit,MONGODB,Node JS,Express,Helmet,Multer,MorganNetlify,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 (**1700+**)
- Clinched a victory in HackSphere (a College-level 10-hour hackathon) amidst 100+ participants. **(Solution link)**
- Recipient of **Subroto Mukherjee Student Scholarship** by **Indian Air Force for** academic accolades.

TECHNICAL SKILLS

Languages: **C++, HTML, CSS, Javascript**
Frameworks: **React JS, Node JS, Express JS, Pandas,Tailwind CSS**
Databases:**MongoDB , Realtime DB (Firebase)**
Tools:**Git,Github,Netlify,Render,Linux,Firebase,React-Redux-Toolkit**
CS Fundamentals:**System Design,DSA,OOPS,OS,CN,DBMS**
Explored: **Python, Java,C, SQL (Oracle),Docker, Kubernetes,Microsoft Azure, Machine Learning, Deep Learning**