

Subhranil Raha

BTech CSE Undergraduate | Full Stack Blockchain Developer

🏠 [portfolio website](#) ✉ subhranilrahaofficial@gmail.com ☎ [+91 9163544240](tel:+919163544240) [in](#) [SubhranilRaha](#) [📧](#) [SubhranilRaha](#)

Skillset

Languages Javascript | Java | C | C++ | Dart | Solidity

Technology React | NextJS | Redux | Node | Express | MongoDB | Mongoose | Firebase | Git | JWT | Tailwind | Flutter | Web3JS | EthersJS | Hardhat |

Services Vercel | Netlify | GitHub | Render | MongoDB Atlas

Projects

SUBROTUBE JWTAuth | Firebase | MongoDB | ExpressJS | Redux | MaterialUI [Demo](#) [Github](#)

- SubroTube is a full-stack **MERN** application that functions as a **YouTube clone**.
- **Authentication** is done using **JSON Web Token**. Users have the option for manual signup or Google signup using **firebase**.
- After logging in, users can interact and perform **CRUD operations**. This includes the ability to **upload** videos, **like** and **comment** on content, and **subscribe** to channels.
- All data is securely stored in **MongoDB** and **Firebase**, ensuring data safety and security for all users.
- **Redux** was used to manage the entire state of the application.
- Learned how to **connect the frontend & the backend** being hosted on different servers.

PRAGMATE ReactJS | Tailwind | ReactRouter | ReactQuery | ChartJS | ArtificialIntelligence | Chatbot [Github](#)

- My team, developed this full-stack project as the finalist of **Smart India Hackathon 2022**.
- I was responsible for the **frontend development**, **UI/UX design**, and overall **architecture** of the web app.
- Our goal was to create a platform that can assist teachers in their work. The application collects and records data about students and utilizes an **AI model** to predict their future outcomes.
- The collected data is presented to the user through visually appealing charts with the help of **ChartJS**, which enhances the user experience.

CRYPTTRACKER WebAPI | Axios | DaisyUI | Tailwind | ContextAPI | Crypto [Demo](#) [Github](#)

- The web API project is designed to fetch data from the **CoinGecko API**.
- The API retrieves up-to-date information on cryptocurrency prices, market capitalization and other related data in **JSON format**.
- Users can easily navigate through the data using **pagination** and **search** features.
- In addition, the web API project also includes a **carousel** to showcase trending projects
- Also has the ability to **change themes**.

GDRIVE 3.0 Solidity | EthersJS | Hardhat | Metamask | IPFS | Alchemy | NodeJS [Demo](#) [Github](#)

- This is a Decentralized Application (**Dapp**) that utilizes the **Pinata IPFS** to securely store image file hashes on the blockchain.
- The application is compiled and deployed to the **Sepolia test network** with the help of **Hardhat**.
- The frontend of the application is written in **React** and interacts with the smart contract via **EthersJS**.
- To access the application, users must log in using their **MetaMask** account
- Users can also share their data with other addresses.

Experience

Smart India Hackathon Finalist *Aug 2022 - Sept 2022*

- Worked as a Team Lead and a Frontend Developer.
- Designed the overall architecture of the application.
- Learned a lot about project management, UI/UX design, and teamwork.
- Worked under tight deadlines and showcased our solutions to the Judges.

Blockchain Instructor Intern @IEM Labs *Sept 2022 - Dec 2022*

- Researched about blockchain development as an instructor
- Taught solidity, Defi, NFTs, ERC tokens, hardhat and ethers JS
- Assisted in updating the course structure.

Google Developer Club HITK Core Member *Session 2022 - 2022*

- Worked as the Full Stack Blockchain Lead
- Helped in organising several events and collaborated with other clubs.

Geeks United HTIK Coordinator *Session 2022 - 2022*

- Worked as a college coding club coordinator
- Arranged different sessions and competitions such as hackathons and coding events

Freelance Frontend Developer *Jul 2022*

- Designed and developed the landing page, services page, and contact page for a digital agency startup (NDA) using NextJS.

Education

Heritage Institute of Technology (2020-2024)

B. Tech in Information Technology

GPA: 9.2

Adamas International School (2005-2020)

Council for Indian School Certificate Examinations

12th Percentage: 91%

10th Percentage: 93.2%