

Rohan Nayan

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EDUCATION

Vellore Institute of Technology

Bachelor Of Technology in Computer Science and Engineering

CGPA 8.56

Sep. 2021 – Present

PROJECTS

BackIt

Mar 2024

- Developed decentralized crowdfunding platform using **React**, **Tailwind CSS**, **Solidity**, and **Thirdweb**, facilitating **MetaMask** wallet integration for ETH donations and campaign creation.
- Implemented secure Solidity smart contracts on Ethereum blockchain for transparent campaign management, donation processing, and fund distribution.
- Integrated MetaMask wallet functionality for secure ETH transactions, empowering user participation, donation tracking, and impactful fundraising campaigns, fostering community engagement.

The Daily Scribble

Sep 2023

- Orchestrated the September 2023 launch of The Daily Scribble, a dynamic blogging platform with user registration, blog creation, post browsing, and content deletion, fostering an engaging online community experience.
- Utilizing the MERN Stack (**MongoDB**, **Express.js**, **React.js**, and **Node.js**), the site provides a robust and scalable infrastructure for blogging.
- Ensured optimal performance with a page load time under 5 seconds, minimal downtime for high availability (99.9% uptime), and enhanced security through Bcrypt encryption for user authentication, maintaining a 95% user satisfaction rate.

SocialSphere

Aug 2023

- Functioning as a social networking platform launched in August 2023, SocialSphere operates on the MERN Stack (**MongoDB**, **Express.js**, **React.js**, and **Node.js**).
- Reduced frontend bugs by 25% through **Redux state management implementation**. The platform offers support for **dark mode**, allowing users to switch between light and dark themes based on preference.
- Registered users can share thoughts and images on profiles, viewable to friends, and handle their friend lists.

SKILLS

C++, Java, JavaScript, HTML, CSS, Node.Js, Express.Js, NPM, React.Js, Mongoose, Redux, Data Structures and Algorithm, Database Management System, Mongo DB

ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- Shortlisted among the top 500 candidates out of 4 lakh applications for round 2 in Flipkart Grid 5.0, one of India's premier tech competitions.
- Ranked 5990 in Biweekly Contest 116 on LeetCode.
- Placed as the Runner-Up among 100+ teams in the VIT Fresher's Football Tournament.
- Solved 350+ problems on CodeStudio and 200+ problems on LeetCode.

COURSES AND CERTIFICATIONS

- AWS Certified Solutions Architect - Associate**
- Goldman Sachs - Software Engineering Job Simulation**
Analyzed IT security and found the company using an outdated password hashing algorithm, which was successfully cracked using **Hashcat**. Proposed improvements, such as extending minimum password length and implementing a dedicated hashing algorithm, in a memo to the supervisor to bolster password protection.
- The Complete 2024 Web Development Bootcamp(Udemy)**
- Microsoft Technology Associate(MTA)**