

Sabhyasachi Sahoo

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 [sabhyasachisahoo \(Sabhyasachi Sahoo\) · GitHub](#) |  <https://leetcode.com/u/umQUJCCHiv/>

Summary

Ambitious and result-oriented final year B.Tech Computer Science student with a good grasp of web development and programming principles. Proficient in modern technologies like HTML, CSS, JavaScript, React, and backend frameworks. Strong problem-solving skills, with a passion for coding and creating efficient, user-centric web applications. Keen to leverage academic knowledge and hands-on experience to contribute to impactful projects and continue growing in the tech field.

Education

- | | |
|---|-----------------------|
| • BTECH Computer Science Engineering SOA University, ITER 8.66 CGPA (till 5th semester) | June 2022 - June 2026 |
| • Higher Secondary (CBSE) Kendriya Vidyalaya Sangathan Visakhapatnam 85% | June 2020 - July 2022 |
| • Secondary (ICSE) St. Joseph's Secondary School Visakhapatnam 90% | June 2010 - June 2020 |

Skills

Python	JavaScript	MongoDB	React.js
HTML	Tailwind CSS	Postman (Testing)	Responsive Design
Team Collaboration	Adaptability	Calm	

Projects

AI-Integrated Real-Time Chat Application - Full Stack Development | [Live](#) | [Source Code](#)

Tech Stack: Node.js, Express.js, Socket.io, MongoDB, OpenAI API, CSS, JavaScript

- Front-end Development: Created a dynamic and interactive chat interface CSS, and JavaScript for a seamless user experience.
- Back-end Implementation: Developed a Node.js and Express.js server to manage real-time message exchanges, user authentication, and API calls.
- Real-Time Communication: Integrated Socket.io to enable instant messaging, ensuring low-latency and efficient data synchronization between users.
- It integrates the OpenAI API for AI-powered chatbot interactions and uses JWT for secure authentication and user identity management.
- Uses MongoDB to persist user data and chat histories. AI-generated response data is persisted in MongoDB so that data access is fast when needed.
- Room Management: Developed a feature that allows users to create, join, and manage chat rooms, enhancing engagement and collaboration

AI Code Review Web App | [Live](#) | [Source Code](#)

Tech Stack: React.js, Node.js, Express.js, Tailwind CSS, OpenAI API

- Frontend development: Created an interactive, intuitive, and responsive user interface using React.js and Tailwind CSS for seamless code input and feedback viewing.
- Backend implementation: Built using Node.js and Express.js to handle API requests and integrate with the OpenAI API for real-time code review functionality.
- AI integration: Integrated OpenAI API to analyze submitted code and generate contextual review feedback for users.
- Authentication: Currently a single-page tool without authentication, but architecture allows for easy addition of secure login if scaled.

Library Management System (Backend Complete, Frontend in Progress) | [Live](#) | [Source Code](#)

Tech Stack: Node.js, Express.js, MongoDB, React.js, Tailwind CSS, Vite

- **Backend API:** Built a scalable RESTful API using Express.js and MongoDB to manage book records, user registration, borrowing, returns, and admin operations.
- **Frontend (In Progress):** Developed responsive and modular UI using React.js, Tailwind CSS, and Vite, featuring components like login/registration, dashboards, popups for managing books, and user profiles.
- **Modular State Management:** Integrated Redux-like state slices (e.g., authSlice) for handling user sessions and access control.
- **Component-Driven Design:** Structured pages into reusable components (BookManagement, Users, MyBorrowedBooks) and

used layout wrappers like Header and SideBar for consistent design.

- **Scalability & UX:** Designed with future extensions in mind, including OTP verification, role-based access (admin vs. user), and password reset via email.

Hackathons

12-Hour Hackathon, Silicon University – *Top 10 Finalist*

Project: Study Buddy - AI-integrated Educational Web Platform | [Live](#) | [Source Code](#)

- Participated as a **Frontend Developer** in a team that built **Study Buddy**, an AI-powered platform for students and teachers featuring **quiz generation**, **PDF and YouTube summarizers**, and a **chatbot**.
- Handled complete **frontend development**, using modern tools and libraries including **Vite**, **Tailwind CSS**, and **JavaScript frameworks**.
- Designed and developed a **responsive UI** that ensured smooth user experience across devices.

Additional Information

- **Languages:** English(fluent), Hindi(fluent), Odiya(medium)
- **Certifications:** Sql (basics) Certification, Java (basics) Certification, Python (basic) Certification - HACKER RANK, Joined an incredible Generative AI workshop conducted by **NxtWave** and built my very first [AI model!](#)
- Attended **HR Discussion Event(Proxima)**: Gained insights on emotional intelligence in the workplace and effective communication strategies.