

Rahul Panchal

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INRODUCTION

A web developer with keen interest in developing Full stack web applications and immersive user-experiences.

PROJECTS

Chat-Bison [View in GitHub](#) - [Live-Demo](#) (Free-hosted app may have ~20s initial delay)

- Indexed the app on Google Search Index as “ChatBison”.
- Developed a Chat-Bot using Node.js and Express.js, that utilizes Google’s **PaLM2** API.
- Implemented a ChatGPT like user-interface and various interactive actions like copy button, go-bottom-button using **HTML**, **CSS**, and **JavaScript**.
- Leveraged **Highlight.js** library to highlight the code blocks returned by Chat-Bison in response to respective prompts.
- Implementation of API by [ipinfo.io](#) to track the incoming traffic, Paving the way for future implementations.
- Developed an [admin page](#) (adminpas5w0rd) using **MongoDB** for reviewing the user interactions with the model. Utilized data stored in MongoDB database.

AI Learner [Backend](#) – [Frontend](#) - [Live Demo](#) (Free-hosted app may have ~20s initial delay)

- Developed a full-stack GenAI webapp, to help me learn new subjects and technologies leveraging Google’s PaLM2 and Gemini API.
- Secured backend by implementing **JWT** authentication and username-login system.
- Applied **MongoDB** queries to save user’s activity and help users to keep track of their learnings.
- Developed a user-friendly UI using **React.js** and **CSS**.
- Added features like Code highlighting, Full Screen mode, Quiz generation, Lesson regeneration, Dark/Light mode toggle, Persistent login.

Chatroom [Backend](#) – [Frontend](#) – [Live Demo](#) (Free-hosted app may have ~20s initial delay)

- Designed a real-time chat application with responsive layout using **HTML**, **CSS**, **JavaScript**, **Node.js** and **Express.js**.
- Implemented the **Socket.io** library to leverage the WebSocket protocol, enhancing the user-experience with seamless real-time chat experience.
- Implemented **oAuth2.0** standard authentication to sign in with Google.
- Utilized **MongoDB** database to save the conversations and join-leave status.

WORK EXPERIENCE

Web Development Intern June 2023- July 2023
The Sparks Foundation | Singapore, Singapore | Remote

- Designed immersive transitioning animations, enhancing user-experience.
- Implemented smooth transitioning animations using vanilla JavaScript and HTML, CSS.
- Developed user-friendly and performant [Banking Interface](#).

Web Development Intern May 2023 - June 2023
Oasis Info byte | New Delhi, India | Remote

- Designed responsive and user-friendly website layouts
- Enhanced user-experience by implementing responsive website layouts and user interactivity.
- Developed a [To-Do App](#) that utilizes client's local memory to store the tasks and improve performance.
- Developed a [Tribute page](#) to pay respect to the discoveries and contributions of the great Indian Mathematician – Srinivasa Ramanujan.
- Developed a realistic [Calculator](#) with great user experience

CERTIFICATIONS

The Sparks Foundation - Web Developer (Intern) [View credentials](#)
Oasis Info byte - Web Developer (Intern) [View credentials](#)

EDUCATION

Bachelor of Engineering (B.E.) July 2021 - May 2025
Government Engineering College, Gandhinagar (India)

SKILLS

Express.js | Node.js | React.js | JavaScript | GCP | Backend Development | Frontend Development | Full stack development | MySQL | HTML | CSS | Git | C++ | IoT | Bash Scripting | Project Management | Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity