

Rahul Dey

Full Stack Web Developer

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EDUCATION

Alma Better

Full Stack Web Development

Bengaluru

July 2023 - March 2024

Maulana Abul Kalam Azad University of Technology

Bachelor of Science

Kolkata, West Bengal

July 2020 - June 2023

EXPERIENCE

Web Development Trainee (MERN stack)

AlmaBetter

March 2023 – March 2024

Bengaluru

- Worked with Front-end and Back-end technologies using the MERN stack, with expertise in React.js, Next.js, and Node.js. Skilled in DSA and databases such as MongoDB and MariaDB, with experience developing and optimizing web applications using React and Express.
- Implemented best practices for user authentication, federated login/register, and data encryption to ensure high-quality and secure web applications.
- Recognized for academic excellence, achieving 2nd place among 232+ students in cohort, and served as SME.

PROJECTS

Entertainment App | [AlmaBetter Verified Project](#)

[Live Demo](#) | [GitHub](#)

- The full stack app built with React and integrated with TMDB API, ensuring a seamless and dynamic experience for users to explore the latest movies and TV series.
- During development, two main challenges were tackled: navigation issues between app sections and security concerns regarding user data privacy, especially with the Bookmarks feature. Navigation was improved with labeled tabs/buttons, and robust encryption protocols were implemented for data protection. Additionally, performance issues due to code inefficiency and managing concurrent development were addressed by refactoring code, optimizing queries, and utilizing Git with CI/CD practices.

Flashcard Generator | [AlmaBetter Verified Project](#)

[Live Demo](#) | [GitHub](#)

- Intuitive Interface: Formik and Yup enable easy form filling for flashcard creation, including titles, descriptions, and multiple terms, with dynamic term management.
- During Flashcard Generator development, two key challenges emerged: performance optimization and cross-browser compatibility. Techniques like lazy loading and async processing improved performance, while rigorous testing and browser-specific solutions ensured consistent functionality across different browsers.

Cryptocurrency Tracker

[Live Demo](#) | [GitHub](#)

- Track crypto prices with our Vite + React.js Crypto Tracker. Enjoy personalized watchlists, detailed chart data, and seamless signup/login with Firebase. Overcame limited API calls and resolved authentication issues for a seamless user experience

* Visit Portfolio for more projects...

TECHNICAL SKILLS

Frontend Development: JavaScript, HTML5, CSS3, React, jQuery, Tailwind CSS, Bootstrap, NextJS, React-Router-DOM, etc.

Backend Development: Node.js, Express.js, REST API, SQL (Maria DB), NoSQL (MongoDB), Mongoose etc.

Software Development Practices: : OOPS (Object-Oriented Programming), Data Structures and Algorithms, Redux, SDLC, SOLID etc.

Tools and Version Control: Git, GitHub, VS Code, NPM, AWS, Firebase, etc.