Rahul Deka

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EDUCATION

Indian Institute of Technology, Madras — Chennai, India
Bachelor of Technology in Aerospace Engineering — *Oct 2022 - Present*

EXPERIENCE

Befinace
Full Stack Development Intern · — *April 2025 - Present*
- Built and optimized Flutter mobile features with responsive UI and efficient state handling.
- Developed and integrated secure REST APIs using Node.js with PostgreSQL for efficient data handling.
- Assisted in **AWS** deployment with **CI/CD** pipelines, improving scalability, uptime, and monitoring.

Dean Faculty's Office, IIT Madras
Web Development Intern · — *Jan 2025 - May 2025*
- **Designed, developed & deployed** an internal website to streamline the faculty mentorship program, featuring a slot booking system for mentor-mentee interactions and an admin dashboard for real-time slot management.
- **Rebuilt and deployed** a secure admin portal (internal IITM network) with role-based login and circular management, enhancing usability and workflow for faculty administrators.

Befinace
Web Development Intern · — *Oct 2024 - Jan 2025*
- Developed and launched the B2B website using **React**, aligning design with market needs and business goals.
- Improved overall **user experience** & aligned design with business goals, resulting in increased engagement.
- Assisted with LinkedIn marketing by creating and posting infographics biweekly to enhance brand presence.

The Geostrata
Web Development Intern · — *April 2024 - Oct 2024*
- Developed and deployed a **dynamic map web page** on Geostrata's official website using **Node.js, Google Maps API, MongoDB, and KML dataset** to visualize global conflicts worldwide.
- Implemented the webpage into production, significantly enhancing **user engagement** and **data visualization capabilities** through interactive features.

PROJECTS

Hisap - Expense Tracker — *Github | Live URL*
- Built a finance dashboard using **React**, **Firebase**, & **MUI** to track income & expenses with real-time updates.
- Integrated **Firebase Authentication** & **Firestore** to manage user sessions and securely store transaction data.
- Implemented dynamic data visualizations using Recharts and filters by date/category to analyze spending trends.

POSITIONS OF RESPONSIBILITIES

WebOps & Blockchain CFI, IIT Madras
Project Member · — *Nov 2023 - Mar 2024*
- Collaborated on projects including **websites**, **mobile app**s, **node/express** servers.
- Utilized **GitHub** for version control, facilitating efficient collaboration within the team.
- Developed a **street view** app with **Firebase authentication**, **Google Maps API**, and **PostgreSQL**.

PROGRAMMING SKILLS

Languages: JavaScript, TypeScript, Python, C, C++

Frontend: HTML, CSS, React, Flutter, Dart

Backend: Node.js, Express, Firebase, MongoDB, SQL, MATLAB, WordPress

Technologies & Tools: GitHub, Android Studio,