

Raj Tejaswee

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Education

Indian Institute of Information Technology Vadodara, Gujarat:

Dec 2020 – May 2024

B.Tech in Computer Science and Engineering

CPI: 7.4/10.0

Skills

Programming Language: C, Java, CPP.

Web: HTML, CSS, JavaScript, ReactJS, Tailwind CSS, Redux, Express, JWT, MongoDB, MySql.

Frameworks: ReactJs, .NET, Flutter.

Experience

.Net Developer Intern, DeltaX – Bengaluru, India

Feb 2024 – Oct 2024

- Built and deployed 10+ APIs using C# and ASP.NET Core to manage data transactions, incorporating RESTful principles for reliable application operations.
- Optimized database performance by reducing query execution time by 10%, using MySQL query tuning and a repository-service pattern for clean architecture.
- Improved data validation and error-handling mechanisms, reducing 5 API-related errors and increasing system stability in production and refactored 5+ existing API endpoints, improving response times by 12% and ensuring efficient handling of concurrent requests.
- Enhanced the API's scalability by implementing load balancing and optimizing resource allocation, ensuring smooth performance under increased traffic.

Flutter Developer Intern, HydrowVerse - IIIT-Hyderabad SPCRC Lab Project, India

May 2023 – Jul 2023

- App Link: [HydrowVerse](#)
- Added 5+ features, redesigned the UI, and fixed 8+ bugs in a Flutter-based app for smart water devices, improving user experience and app performance.
- Debugged and coded the UI for 10+ components across 6 pages using Flutter, incorporating animations, minimalist design, and front-end libraries for a better user experience.
- Simplified a backend-frontend framework to support two device types, ensuring a unified and responsive UI/UX across platforms, and deployed the application to the Play Store for Android, ensuring reliable performance and broad accessibility.

Projects

Z-chat : Real-time Chat WebApp

[github.com/z-chat](#)

- Developed a real-time web socket chat application using Node.js, MongoDB, Socket.IO, React, and Tailwind CSS, enabling secure and scalable communication.
- Optimized client-server performance to support concurrent users with minimal latency.
- Integrated robust authentication and RESTful API endpoints for secure user interactions and efficient data management.
- **Technologies Used:** Node.js, MongoDB, Socket.IO, React, Tailwind CSS.

Designify : A website template generator

[github.com/designify](#)

- Developed a full-stack website creation platform integrating OpenAI's API, generating 10+ unique website templates from user prompts with an average response time of under 5 minutes.
- Created back-end logic in Node.js with Express.js to handle 2 distinct API calls for templates and chat, delivering structured responses for front-end rendering.
- **Technologies Used:** React.js, Tailwind CSS, Web Containers, Node.js, Express.js, OpenAI API.