

PRATHAM JAIN

Frontend Engineer

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Education

Jaypee Institute of Information Technology

Bachelor of Technology in Computer Science (CGPA of 7.9)

August 2019 - June 2023

Noida, India

Experience

ConveGenius

Feb 2023 – Present

Software Engineer

Noida, India

- **SwiftChat Development:** Played a pivotal role in the development of ConveGenius's hero product, SwiftChat, using **React, JavaScript, TypeScript, and Redux**. Autonomously implemented large-scale features, collaborating cross-functionally to enhance user experience. Managed code quality and performance, significantly improving the app's reliability and cementing its cornerstone status.
- **Performance Optimization:** Engineered advanced performance enhancements, slashing website load times from 1.5 seconds to under 0.5 seconds. Implemented sophisticated techniques including **code-splitting, tree-shaking, and debouncing** strategies to optimize data fetching and UI rendering, resulting in a **66%** improvement in initial load time.
- **State Management and Data Flow:** Implemented a robust state management system using **Redux**, optimizing data flow and reducing unnecessary re-renders. Designed and integrated with RESTful APIs, ensuring efficient data exchange between frontend and backend systems.
- **Build Optimization:** Refined the build process using **Webpack**, significantly reducing bundle sizes and improving application load times. Implemented efficient code-splitting and lazy-loading techniques to optimize resource delivery and enhance overall application performance.
- **Analytics and Engagement:** Integrated **CleverTap** and **Google Analytics** for tracking user activity, enabling data-driven decisions. Optimized product features based on user insights to drive engagement and retention.
- **UI/UX Enhancements:** Redesigned UI components using **MUI** and **Tailwind CSS**, ensuring a consistent and attractive user interface across devices. Streamlined CSS and JS code for maintainability and improved developer experience.
- **Hybrid App Development:** Single-handedly developed a high-performance hybrid **iOS app** using **CapacitorJS**, managing the entire process from project initialization to production deployment. Leveraged web technologies to deliver a native-like experience with seamless cross-platform functionality, demonstrating versatility in mobile development.

Projects

MediSecure | *Solidity, Blockchain, React, Javascript* | GitHub

- Created a health records management system using Solidity, enabling secure and decentralized data management on the blockchain. Patients and doctors can interact securely, with payments made using Metamask gas fees.

Classy Blog | *NodeJS, MongoDB and Express* | GitHub

- Designed and developed a full-stack blogging platform with CRUD operations and authentication using React.js, Node.js, Express.js, and MongoDB. Implemented RESTful APIs and JWT authentication for user sessions.

Sorting Visualizer | *HTML, CSS and JavaScript* | Deployed

- Developed a sorting algorithm visualizer using HTML, CSS, and JavaScript. Visualized popular sorting algorithms like Quick Sort, Merge Sort, and Insertion Sort in an interactive and user-friendly manner.

Achievements

- Global Rank **22/3500+** in Codechef's April 2022 Long Challenge (**top 1%**)
- Solved over **600+** questions on LeetCode, **200+** questions on GeeksforGeeks, and **150+** questions on Codeforces.
- Written over **100+** articles at **Neso Academy**, most of them being on Data Structure and Algorithms.
- JEE Advanced Qualified, ranked in the **top 2%** out of over 1 million candidates.

Profile Links

- LeetCode
- CodeChef
- Codeforces
- GeeksforGeeks

Technical Skills

Frontend: React.js, Next.js, Redux, JavaScript (ES6/TypeScript), HTML5, CSS3, Tailwind CSS, MUI, Webpack, Vite

Backend: Node.js, Express.js, RESTful APIs

Developer Tools: Git, CI/CD pipeline, Jira