

Mayank Somani

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Skills

- **Languages** - C, C++, JavaScript, Java, Python
- **Frameworks & Libraries** – ReactJS, NextJS, NodeJS, ExpressJS, Redux, TypeScript, jQuery, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, REST API, GraphQL, Webpack, D3.js
- **Databases** - SQL, Firebase, Supabase, MongoDB, PostgreSQL
- **Tools** – Jest, Jira, GitHub, Figma, Excel
- **Learning/Enhancing Skills** – TypeScript, NodeJS, ExpressJS, Webpack, MaterialUI
- **Core Competencies**– Data Structures & Algorithms, Responsive Design, API Integration & Data Handling (REST & GraphQL)

Experience

KollegeApply Frontend Developer *Gurgaon, India* **01/2025 – Present**

- **Developing and optimizing CMS modules** and the **main site of KollegeApply** using **Next.js, Tailwind CSS, TypeScript** and **PostgreSQL** integrating GET, PUT & POST APIs for seamless data fetching, dynamic forms, advanced filtering, enhancing performance and scalability.
- **Boosted performance by 70% and increased user engagement by 40%** by implementing SEO best practices, lazy loading, code splitting, memoization, and SSR/SSG, leading to faster load times, optimized rendering, and improved search rankings, driving organic traffic.
- **Engineering reusable and theme-compatible components** in **TypeScript**, ensuring **modular design, reduced redundancy, and seamless UI consistency** aligned with Tailwind CSS standards.
- **Mentoring** interns and associate developers, ensuring **smooth execution** and **collaboration** with the Tech Lead.

HyperCharge Studio Frontend Developer *Jaipur, India* **12/2022 – 12/2024**

- Developed **scalable** front-end applications using **React.js, Redux, MaterialUI, Webpack** and **Tailwind CSS**, ensuring seamless integration with **RESTful APIs** for dynamic data handling and enhancing user interaction.
- Developed **ReactJS** components for an online learning platform, collaborating with the team of Hypercharge Studio with **Agile methodology**, integrating video content, quizzes, and progress tracking, helped in scaling the platform to over 5k+ users.
- Developed a scalable backend for **DevStalk** using **Node.js, Express.js** and **MongoDB** seamlessly integrated with a dynamic frontend built with **React.js, Redux** and **Tailwind CSS**. Enabled real-time collaboration using Socket.io to support interactive developer connections.

Clevigour Solutions Web Development Intern *Jaipur, India* **04/2019 – 10/2019**

Admin Panel

- Spearheaded the creation of a fully functional admin panel for an e-commerce platform, specializing in decorated items and artifacts, employing **HTML, CSS, and JavaScript** to craft a responsive, user-friendly interface.
- **Frontend Architecture & Optimization:** Engineered and optimized the performance of crucial features like shopping cart and navbar, which led to a 25% enhancement in page load times and improved overall user navigation, directly impacting customer retention.
- **Cross-Functional Collaboration & React.js Implementation:** Worked closely with the **backend development team** to integrate of frontend components and transitioned to **React.js, Redux and Tailwind CSS** boosting efficiency, user engagement and site performance

Projects

ShortenIt - A tool for shortening and tracking URLs  **(07/2024)**

- Developed a URL shortener application using **ReactJS, NodeJS, Tailwind CSS**, and **Supabase** with **D3.js** for analytics visualization. Also incorporating **API Integration** for seamless data fetching and storage, enabling efficient URL shortening and detailed user tracking
- **Advanced Analytics Integration:** Implemented API-based tracking to monitor shortened URL usage by location, device type, and frequency. Visualized insights using dynamic pie and bar charts, significantly enhancing user analytics and engagement understanding.
- **Cross-Platform Responsive Design:** Ensured seamless functionality across desktop and mobile platforms by leveraging **responsive design** and API integration. **Enhanced user accessibility and engagement by 25%** through a user-friendly interface built with React JS, Tailwind CSS
- **Robust Application Testing:** Utilized tools like **Jest** for **Unit and Integration Testing** to ensure reliable performance and robust functionality

Hirrd - An advanced job portal with real-time tracking and responsive UI  **(05/2024)**

- Developed a job portal application using **NodeJS, ReactJS, ShadCN UI, Supabase, and Clerk**. Integrated **APIs** for data fetching and user authentication, allowing users to apply for jobs, post jobs, and track application statuses efficiently.
- **User Authentication:** Implemented secure user authentication using **Supabase** for email/password sign-ups and Clerk for OAuth integrations like Google sign-in, ensuring a seamless and secure login experience.
- **Real-Time Application Tracking:** Developed features to track the status of job applications in real-time, from initial application to interview stages. Further enabled users to filter jobs by location, company, and role, thereby enhancing user engagement and transparency.
- **Responsive and Modern UI:** Designed a professional and modern interface with **ReactJS** and **ShadCN UI**, incorporating features like carousels, FAQs, and profile management, leveraging **API integration** to ensure seamless data flow.

Education

Masters in Computer Application (MCA)	<u>Vellore Institute of Technology</u>	<i>Chennai, India</i>	04/2022 - 07/2024
Bachelor in Computer Application (BCA)	<u>Maharishi Arvind Institute of Science and Management</u>	<i>Jaipur, India</i>	07/2017 - 12/2020

Achievements & Certifications

- Earned **50, 100 & 200 Days Badges on LeetCode** as well as in GFG by solving over 300 DSA questions on LeetCode along with 200 questions on GFG and other coding platforms, demonstrating consistent problem-solving skills.
- Received the **1st Best Project Award** at the 9th Industry Conclave **Hackathon** in VIT for outstanding innovation and technical execution on the project "Fault Identification in Wind-Turbine using Neural Networks"