

Saransh Dawra

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EDUCATION

Chitkara University	2018 - 2022
<i>B.E, Computer Science Engineering</i>	<i>CGPA: 9.77</i>
12th, Senior Secondary Examination	2018
<i>CBSE Board</i>	<i>Percentage: 92.8%</i>
10th, Secondary Examination	2016
<i>CBSE Board</i>	<i>CGPA: 8.8</i>

SKILLS

ReactJS, NextJS, JavaScript, TypeScript, Redux, Redux Toolkit, Webpack, HTML, CSS, NodeJS, ExperssJS, Git

EXPERIENCE

UI Engineer 2	April 2024 – Present
<i>Cleartrip (Flipkart Group)</i>	

Module Federation

- Implemented **module federation** to enable seamless integration of the CMS into multiple projects.
- **Upgraded** CMS project from **webpack v4 to v5** to leverage module federation capabilities.
- **Eliminated** the need for **code duplication** and maintenance across multiple repositories, significantly **reducing development overhead** and ensuring **consistency in CMS updates across projects**.
- **Avoided additional costs** associated with **publishing a private library** on npm, resulting in cost savings for the organization.

UI Engineer 1	June 2022 – March 2024
<i>Cleartrip (Flipkart Group)</i>	

Cleartrip Design System

- Took the **initiative** for building **Cleartrip's Design System**
- **Engineered and solved** the **design system** in such a way that it **supported multiple themes** like **B2C, B2B, etc.**
- A **scalable token system** was added to **support multiple themes** and to **create new themes**.
- All the **components** were **Polymorphic** and also had **support** for **changing the styling** of the component.
- The **design system** is being **used by multiple teams** in the organisation.

Hotels Revamp

- Leveraged **NextJS** to **enhance SEO** performance, ensuring improved visibility and discoverability.
- **Designed architecture** and developed **core framework logic** for **Server-driven UI** and **Server-driven tracking**, optimizing scalability and efficiency.
- Led the creation of **scalable API contracts**, ensuring consistency and reliability in API response.
- **Resolved app load chunk bloating** issue using **webpack magic comments** and **dynamic import** strategies, enhancing **web vitals** and user experience.

- Engineered a **prefetcher component** to anticipate and **fetch required chunks on the previous page**, reducing loading times and **improving overall performance**.

Content Management System

- Designed and developed a **dynamic** and scalable **Server-driven** Content Management System.
- **Built it from scratch**, right from setting up the repository with **Webpack, ESLint, Prettier and TypeScript**, to setting up the **deployment pipeline**.
- Implemented **secure image uploads** to **AWS S3 bucket**, enhancing data management capabilities.
- Engineered CMS with **template configuration** for UI changes, **minimizing deployment**, testing, and developer efforts.

Software Development Engineer (SDE) - Intern

Nov. 2020 – May 2022

Cleartrip (Flipkart Group)

- Worked on **migrating mobile application** from **native** to **webview** using ReactJS and JavaScript for **faster feature rollout**.
- Worked on adding **OTP** based **authentication**
- Worked on the **Travelsafe Project**. Major part of my job was to **integrate** the project with **Third Party API**.
- Added **advanced searching tools** like **Vaccination Status, Trip Type** (One Way or Round Trip), **Connecting flights** and **Trip Dates**.

AWARDS

- **Mission Impossible Award** For exceptional contribution resulting in functional level business impact
- **Cleartrip Hackathon - Reimagine Travel - A GenAI Powered Future** My team secured 4th place and was awarded the Special Category Winners (Creative Hack) award.
- **Finalist, Reboot the Earth - Young Tech Challenge on Climate Hackathon** Our idea got selected in the category of Winners/Selected for development out of all ideas presented by fellow teams