Rahul Tomar

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Education

Samrat Ashok Technological Institute May 2021

BTech in Computer Science and Engineering

Professional Experience

Cognizant - Gurgaon Oct 2022 – Present

Jr. Software Engineer

* Improved UI performance by 40% by Identifying bottlenecks, leveraging technologies like Redux toolkit and React Hooks.
* Implemented Lazy loading that led to a 20% reduction in initial page load time and enhance overall user experience.
* Implemented debouncing technique for typeahead search, reducing server call by 40% and improving user experience by displaying search results instantly without delay.
* Optimized performance by caching search results in Redux, resulting in a 20% decrease in loading time and enhancing overall app responsiveness for users.

Cognizant - Gurgaon Sep 2021 – Sep 2022

Programmer Analyst Trainee

* Created restful APIs using **Spring Boot** for web applications which improved customer engagement by 30%.
* Migrated legacy systems to **microservices** architecture reducing maintenance costs by 25%.
* Collaborated with senior developers in designing and implementing java-based solutions.

**Technical Skills**

**Programming** **Languages:** JavaScript (ES6), Java, HTML (HTML5), CSS

**Frameworks/Libraries:** React, Redux Toolkit, Tailwind CSS, Spring Boot, Spring Rest, AWS

**Developer Tools**: VS Code, Git, Eclipse

**Project**

**VisionSync |** React, React-router, Redux-toolkit, Tailwind CSS [[Link]](https://visionsync.netlify.app/)

* Developed a **scalable** and **performant** video streaming app using React, Tailwind, React Router, and Redux, powered by “**YouTube’s live API”**.
* Implemented **lazy** **loading** with **Suspense** and created nested comments using **Recursion** and implemented **live chat using API polling**.

**FoodVilla |** React, React-router, React-toolkit, Tailwind CSS [[Link](https://github.com/STRahul/foodvilla)]

* Developed a high-performance and responsive food ordering app, leveraging **Swiggy’s live API** to deliver real-time data to users.
* Implemented a **shimmer effect** and **single responsibility principle** to enhance user experience.
* Implemented efficient state management using **Redux toolkit**, enabling seamless communication.