

HARSHDEEP SINGH

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EXPERIENCE

Associate Software Engineer

July 2022 - Dec 2022

Blume Global

Bangalore, India

- Leveraged **React JS** to create dynamic and visually appealing user interfaces on the frontend. Converted complex **Figma** designs into reusable, modular components resulting in a **30%** increase in user interaction.
- Achieved a noteworthy **50%** reduction in recurring bugs through meticulous debugging, enhancing overall product performance.
- Implemented **Redux** for effective state management, ensuring a seamless and consistent application experience.
- Achieved **20%** reduction in file size by using **Webpacks** and **Code Splitting** techniques
- Optimized RESTful API endpoints and database management using **Spring Boot** and **MySQL** with advanced query optimization techniques.

EDUCATION

Bachelor of Engineering, Siddaganga Institute of Technology

2018 - 2022

Electrical and Electronics.

PROJECTS

RideNow: A Bus Booking App



- Created a user-friendly platform allowing users to seamlessly book seats for multiple passengers on buses following a specific route.
- Key features included **user authentication**, **bus schedule management**, and a **secure booking process**. Implemented **concurrency** control using **Spring Boot** to ensure data consistency during simultaneous user interactions.
- Utilized **Spring Boot** for the **backend**, implementing **MySQL** for the database schema, and **React.js** with **Material-UI** for the frontend.
- Tech Stack consisted of **Java**, **Spring Boot**, **MySQL**, **JavaScript**, **ReactJS**, **MaterialUI**, **HTML**.

MoviesGPT: A Movie Suggestion App



- Developed a Movie Suggestion App with **secure authentication**, **dynamic browsing**, **TMDB API integration**, **OpenAI GPT-powered smart search**, and responsive design using **ReactJS**, **Redux**, and **Tailwind CSS**.
- **Firebase** is used for **user authentication**, secure management of user accounts, and the storage of user profile information.
- Utilized **TMDB API** to **fetch** Now Playing movies and trailers, improving content recommendations.
- Implemented a **smart search feature** using **OpenAI GPT** to provide users with personalized movie suggestions.
- Tech Stack consisted of **Firebase**, **JavaScript**, **ReactJS**, **Tailwind CSS**, **Redux**, **HTML**.

Food Order App



- Created an online food ordering website using **React JS** and Swiggy's API for a wide selection of food options.
- Integrated a user-friendly form to facilitate the food ordering process, ensuring a smooth and straightforward experience.
- Implemented a cart functionality allowing users to conveniently store and review their selected food items. Cart items were stored in **Redux store**.
- Ensured a **responsive design** using **Tailwind CSS** to accommodate users on various devices, offering a consistent and accessible experience.

SKILLS

Programming Languages

Javascript , Java , C ,C++ , HTML , CSS

Frameworks/ Libraries

React.JS , Redux , Spring Boot , Tailwind CSS, Material UI

Database

MySQL