

# Arjun S.A

## MERN Stack Developer

Nagercoil | Ph:8778799891 | [saarjun04@gmail.com](mailto:saarjun04@gmail.com) | [Linkedin](#) | [Portfolio](#) | [GitHub](#)

---

### Summary

Passionate **MERN Stack Developer** with expertise in **React.js, Redux, Node.js, Express.js, and MongoDB**. Skilled in building **responsive, user-friendly web applications** with a strong focus on **performance optimization and seamless UI/UX**. Experienced in **state management (Redux Toolkit), RESTful API integration**, and **MongoDB query optimization**. A fast learner and team player, eager to contribute to innovative web solutions.

### Skills

**Frontend Development:** HTML | CSS | Bootstrap | Tailwind CSS | JavaScript (ES6+) | React.js | Redux Toolkit | React Router

**Backend Development:** Node.js | Express.js | MongoDB | Mongoose | RESTful APIs

### Projects

#### Flipkart-Clone

🔗 Live: [Flipkart Clone](#) | GitHub: [Clone-code](#)

Developed a feature-rich e-commerce platform replicating core functionalities of Flipkart, such as user authentication, dynamic product management, and secure checkout. This full-stack project offers category-based filtering, sorting, and search optimization, providing a seamless and scalable shopping experience.

#### Techniques Used:

- **Frontend:** React.js (with Redux Toolkit & Redux Persist)
- **Backend:** Node.js, Express.js
- **Database:** MongoDB (with Mongoose)
- **State Management:** Redux Toolkit.
- **Data Persistence:** Redux Persist (to store User data).
- **JWT Token Authentication** for Secure API Access.
- **MongoDB Query Optimization** – Backend efficiently handles search queries using Mongoose's **\$regex** for pattern matching.
- **Authentication & Security** – Password hashing with **bcrypt**, to secure user data in **MongoDB**.

#### Key Features:

- **Product-Filtration** – Users can search Products using keywords (e.g., Brands, Products or Types).
- **RESTful API with Express & MongoDB** – Efficient backend services for smooth data handling.
- **Persistent Cart & Wishlist Sync** – Allow users to seamlessly add, remove, and transfer items between the cart and Wishlist, with all changes synced to the database. This ensures real-time updates across sessions and devices for a consistent shopping experience.
- **Secure Checkout Flow** – User-friendly checkout process with order summary and delivery address confirmation and validation.
- **Dynamic checkout & multiple address selection.**

## TASK Manager App

🔗 Live: [Task Manager App](#) | GitHub: [Task-Manager Code](#)

The **Task Manager App** is a **MERN stack-based** web application designed to help users efficiently manage their daily tasks. It allows users to create, update, and track their tasks with features like categorization, status updates, and due dates.

### Techniques Used:

- **Frontend:** React.js (with Redux Toolkit & Redux Persist)
- **Backend:** Node.js, Express.js
- **Database:** MongoDB (with Mongoose)
- **State Management:** Redux Toolkit.
- **Data Persistence:** Redux Persist (to store cart data in local storage).
- **MongoDB Query Optimization** – Backend efficiently handles search queries using Mongoose's **\$regex** for pattern matching.
- **Hosting** – Used Render for Hosting Backend and frontend, Hosted Database with MongoDB-Atlas.

### Key Features:

- **User Authentication** - Users can sign up, log in, and manage tasks securely.
- **Redux State Management** - (If used) Handles user authentication and tasks efficiently.
- **Keyword-Based Search** – Users can search tasks using keywords (e.g., task title or description).
- **Mongoose for MongoDB** - Backend uses Mongoose models to interact with MongoDB.

## Professional Experience

**Frontend Developer Intern**, Spangles Infotech

Oct–Dec 2024 | Nagercoil

- **Developed reusable React components** for an Office Management System, improving **UI consistency**.
- **Worked with Git & GitHub**, collaborating with backend developers for seamless integration.
- **Enhanced responsiveness** of dashboards using **Tailwind CSS**

## Education

**Bachelor of Arts**, MS University

2019-2022 | Nagercoil

**Higher Secondary**, S.M.R.V HR Sec

2017-2019 | Nagercoil