

# MANPREET SINGH

Full-Stack MERN Developer  
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## SUMMARY

MERN stack developer with a Diploma in Computer Science & Engineering. Combines strong work ethic and problem-solving skills from manufacturing with modern full-stack development. Built and deployed production-ready applications using React, Node.js, and MongoDB while working full-time. Proven ability to learn complex systems quickly and deliver results under pressure.

## SKILLS

**Frontend:** HTML5, CSS3, JavaScript (ES6+), React, Context API, TailwindCSS, Framer Motion, Flowbite

**Backend:** Node.js, Express, MongoDB, Mongoose

**Auth & Security:** JWT, bcrypt, Role-Based Access Control

**Testing:** Apache Bench, cURL

**Tools:** Git, GitHub, Vercel, MongoDB Atlas, Ngrok, React Hook Form, React Router

**Concepts:** REST APIs, MVC Architecture, CRUD, Client–Server Architecture

## EDUCATION

**Diploma in Computer Science & Engineering** | Ludhiana Group of Colleges, India | 2023

- Key Modules: Programming in JavaScript, Operating Systems, Database Management.

**Senior Secondary (12th Grade) – Computer Science** | Govt. Sen. Sec. School, Punjab, India | 2020

- Focused on C++, Computer Architecture, and Logic Gates.

## PROJECTS

**Full-Stack E-Commerce Platform | React, Node.js, Express, MongoDB**

- Built a full-stack e-commerce platform with authentication, role-based access, and RESTful APIs
- Implemented JWT-based authentication with protected routes and secure password hashing
- Designed scalable backend architecture using MVC pattern and MongoDB Atlas
- Integrated Framer Motion animations without compromising performance or load time
- Implemented a user-specific cart system where cart data is persisted and directly associated with authenticated user profiles
- Designed a complete order lifecycle, allowing users to place orders and view detailed order history

Live Demo: <https://stitche.vercel.app> | GitHub: [https://github.com/Manpreet055/Stitche\\_E-commerce](https://github.com/Manpreet055/Stitche_E-commerce)

**Client-Side Expense Tracker with LocalStorage Persistence**

- Built a client-side CRUD application using Vanilla JavaScript with persistent state via Local Storage
- Implemented create, read, update, and delete flows with data validation and state sync
- Designed a fully responsive layout using modern CSS (Flexbox / Media Queries)
- Focused on performance and logic clarity without relying on frameworks

Live Demo: <https://budgetfolio.vercel.app> | GitHub: <https://github.com/Manpreet055/Expense-Tracker>

## EXPERIENCE

**Fabrication Technician, FastTrack Display FZ LLC, Dubai, UAE | Oct-2024 – Present**

- Worked long shifts while independently learning full-stack web development
- Developed strong problem-solving skills, discipline, and ability to work under pressure
- Managed time effectively between demanding job and technical projects