

MANPREET SINGH

Full-Stack MERN Developer

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GitHub: github.com/Manpreet055 | Portfolio: manpreetbuilds.vercel.app

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Portfolio

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

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