

PARESH METALIYA

MERN STACK Developer

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

I am a self-taught MERN stack developer with hands-on experience in building a full-stack pizza ordering app. Eager to learn from experienced professionals, I aim to apply my skills while continuously growing as a developer.

Skills Gained from the Project

- **Frontend:** React.js, TypeScript, Tailwind CSS, ShadCN, Zod, React Hook Form
- **Backend:** Node.js, Express.js, MongoDB, Mongoose (Advanced Queries, Aggregation, Virtuals, Populate)
- **State Management:** Redux Toolkit (Thunk), Context API
- **Authentication & Security:** JWT, Middleware, Role-Based Access Control
- **Performance Optimization:** Mongoose Populate & Virtuals, API Caching, Server-Side Pagination
- **Other Skills:** REST APIs, Razorpay Payment Gateway, Responsive Design, Git/GitHub

Pizza Ordering App (Full-Stack MERN Application)

[Live Demo](#) | [GitHub Repository](#)

A full-stack pizza ordering system where users can browse pizzas, customize orders, add items to the cart, and place orders with online/offline payment options. Includes authentication, an admin panel for product/order management, and features like search, sort, filter, and pagination.

My Approach & Learning:

Backend (Node.js, Express.js, MongoDB, JWT Authentication)

- **Authentication & Authorization:** Implemented JWT-based authentication with role-based access control (isAdmin).
- **Database Management:** Used Mongoose for handling MongoDB queries with schema-defined models.
- **One-to-Many Relationships:** Implemented Mongoose populate for fetching related data efficiently (users & orders, orders & pizzas).
- **Aggregation & Analytics:** Used MongoDB Aggregation for admin dashboard stats (total orders, pending, fulfilled, etc.).
- **API Development:** Created RESTful APIs for sorting, searching, filtering, pagination, and CRUD operations.

Frontend (React.js, TypeScript, Tailwind CSS, ShadCN/UI)

- **Responsive Design:** Developed a mobile-friendly UI using Tailwind CSS and ShadCN/UI.
- **Menu & Product Pages:** Implemented sorting, filtering, and pagination using URL-based query params.
- **Cart & Checkout:** Integrated online/offline payment options and order tracking.

State Management & API Handling (Redux Toolkit, Thunk, Axios)

- **Redux Toolkit with Thunk:** Managed state using slices, extraReducers, and Thunk functions for API calls.
- **API Handling with Axios:** Integrated API calls with proper error handling and data parsing.
- **Form Handling:** Used React Hook Form and Zod for validation before API calls.

Education

B.E. Electronics and Communication

Gujarat Technological University (GTU), Bharuch Govt. College