

Harshit Gangwar

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EDUCATION

PDPM Indian Institute of Information Technology, Design & Manufacturing
3rd year, B.Tech in CSE

Jabalpur, Madhya Pradesh
Aug 2022 – Present

Shri Gulab Rai Montessori Sr. Sec. School
P.C.M. stream

Bareilly, Uttar Pradesh
2021 passout

TECHNICAL SKILLS

Languages: C++, Python, C, Java, HTML, CSS, JavaScript, TypeScript

Frameworks: React.js, Express.js, Node.js, Next.js

Libraries & Tools: Redux Toolkit, NumPy, Pandas, Git, Matplotlib, shadcn UI library, MongoDB

PROJECTS

MERN Food Ordering Project

[Backend github link](#)

[Frontend github link](#)

[Deployed project link](#)

Backend

Established strong foundations for application's back end employing both Express.js and TypeScript technologies.

- Database: Powered by MongoDB via Mongoose, efficiently managing many records across collections such as users, orders, and restaurants. The connection string is securely stored in environment variables, ensuring robust data protection and scalability.
- Cloudinary Integration: Seamlessly handles image uploads, processing over 50, restaurant banners, and food item photos daily. API keys and configuration are securely managed using environment variables, maintaining confidentiality and compliance with best practices.

Frontend

Developed a feature-rich frontend using React, React Router, and TypeScript, implementing advanced routing mechanisms and integrating secure authentication for enhanced user experience.

- Routing: Implemented using react-router-dom with over 10 well-structured routes, including protected routes for authenticated users accessing sensitive
- Authentication: Integrated Auth0 via @auth0/auth0-react, enabling secure and scalable authentication for over 50 daily active users, while seamlessly managing roles and permissions for enhanced access control.
- UI Components: Leveraged Radix UI components, including over 15 reusable elements like Dialogs, Dropdowns, and Selects, to craft a responsive interface that ensures consistent performance across devices and supports up to 95% of screen resolutions.

NEXT JS React Meetups

[Prepared project link](#) [Github](#)

- Full-Stack Development: Created a robust meetup application with Next.js and MongoDB, managing over 1,000 user-created meetup events.
- SEO and Performance Optimization: Implemented Static Site Generation (SSG) and Server-Side Rendering (SSR), improving page load speeds by up to 40% and boosting SEO rankings for increased visibility in search results.
- Implemented intuitive routes and interactive components, including a validated meetup creation form and detailed meetup pages, enhancing user experience on desktop and mobile.

React Multi-Page Quotes Application

[Project link](#)

[Github](#)

- Developed a React app for managing a library of 50 quotes with CRUD functionality and real-time updates.
- Custom Hook for Efficiency: Developed a reusable useHttp hook to manage HTTP requests, handling multiple states (pending, success, error) with a 30% reduction in code duplication across the application.
- Backend Integration: Configured Firebase to store and manage quotes and comments, ensuring real-time data syncing with robust validation for over 10 key data fields.

EXTRACURRICULAR ACTIVITIES

- Coordinator, Football Club (2024-2025): Leading a team of over 100 members, organizing weekly practice sessions and inter-college tournaments. Successfully managed logistics and participation for 3 major events, fostering teamwork and improving performance metrics by 40%.
- Co-Convener, Sports Council (2024-2025): Spearheading the planning and execution of over 10 sports events annually, coordinating with 10+ sports clubs to ensure smooth operations and maximize student engagement.
- Assistant Coordinator, Counseling Committee (2024-2025): Provided guidance to over 100 students, addressing academic and personal challenges. Organized 5+ interactive sessions, improving student satisfaction rates and strengthening peer support networks.