

Umesh Singh Mehta

Full stack web developer

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Summary:

Full Stack software developer with expertise in front-end and back-end development. Capable of building scalable, user-friendly, and performance-optimized web applications using modern technologies.

Technical Skills:

- **Frontend** – JavaScript, React.js, Redux, Nextjs
- **Backend** – Node.js, Express.js, REST APIs, JWT Authentication
- **Database** – MongoDB, Mongoose, MySQL
- **Tools & Platforms** - Git & GitHub, Postman, VS Code, Render, Vercel, MongoDB Atlas
- **Others** - MVC Architecture, CRUD Operations, Responsive Design, Deployment & Hosting

Experience:

Graduate Engineer Trainee - Teerthanker Mahaveer University | Apr 2025 – July 2025

- Contributed to the development of a **University ERP System** used by over **2000+ students and faculty**, streamlining academic, attendance, and administrative workflows.
- Developed and maintained REST APIs using Node.js and Express.js.
- Built **interactive dashboards and responsive UIs** with React.js for admin, teacher, and student portals, improving usability and reducing manual processes by **40%**.
- Collaborated with **multiple departments and a cross-functional team of 5+ developers** for requirement gathering, testing, and deployment.
- Assisted in database design and management using MongoDB and MySQL.

Projects:

[\[Link\]](#) **Potato Trails – Blogging Website**

- Developed a full-featured blogging platform with both public and admin interfaces using MERN stack and Next.js for server-side rendering and performance optimization.
- Enabled **rich-text editing** and markdown support with formatting options (e.g., headings, bold, italic, image uploads).
- Developed and published a **custom NPM package** that uses a **pinging mechanism** to keep the Render backend service alive by sending automated requests every 14 minutes, ensuring **100% uptime** for hosted APIs.

[\[Link\]](#) **QR-Based Restaurant Ordering System**

- Designed a digital ordering system where customers can scan a QR code to view the menu and place orders.
- Admin dashboard for restaurant owners to manage menu items and view live orders.
- Integrated MongoDB for data storage and deployed using Render/Vercel.

[\[Link\]](#) **Student Attendance Management Portal**

- Admin can manage teachers and students, teachers can mark attendance, and students can view their records.
- Designed clean and intuitive user interfaces for different roles.
- Used MongoDB for attendance record storage and session tracking.

Education:

Master of Computer Applications (MCA)

Teerthanker Mahaveer University

2023 – 2025