

Henil Patel

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About me

MERN stack developer with experience building scalable applications and real-time systems for real-world use. At Sparkle Laser Technology LLP, built a platform that replaced manual workflows and improved team efficiency. Focused on writing reliable code, designing clear systems, and building applications that solve actual problems.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Redux Toolkit
- **Backend:** Node.js, Express.js, Django, RESTful APIs, JWT Authentication
- **Real-Time & APIs:** WebSockets, Socket.io, GenAI APIs
- **Animations & UI:** GSAP, Framer Motion, Lenis (Smooth Scrolling)
- **Database:** MongoDB, Mongoose, Aggregation, Indexing
- **Tools & Platforms:** Git, GitHub, Postman, Vercel, Render

Internship

Frontend Developer Intern | Sparkle Laser Technology LLP, Surat

Dec 2025 – Present

- Developed a role-based web application to digitize manual workflows into a centralized ticketing and task management system used by internal teams.
- Implemented a **4-level role hierarchy** (Super Admin, Admin, Manager, Engineer) with structured access control and task assignment workflows.
- Built a dynamic ticketing system for **real-time machine issue reporting and assignment**, improving task allocation efficiency.
- Designed performance dashboards to track **engineer productivity** (tickets completed, cancellations, resolution time), enabling data-driven decision-making.
- Reduced manual tracking and improved operational efficiency by an estimated **30-40%** through workflow automation and centralized management.

Education

LJ Institute of Engineering and Technology, Ahmedabad

2023 – 2027

B.E. in Computer Engineering
CGPA: 8.17 / 10

Projects

Coro – AI-Powered Collaborative Workspace

[\[Live Preview\]](#) [\[GitHub\]](#)

- Built a real-time collaborative workspace using the MERN stack with **Socket.io** for multi-user interaction.
- Integrated **GenAI (Groq API)** to enable AI-assisted code and content generation using commands like `@ai [task]`.
- Developed shared workspaces where multiple users can collaborate, chat, and build projects simultaneously.
- Designed a scalable architecture combining real-time communication and AI-driven workflows.
- Deployed full-stack applications using Vercel and Render, optimizing initial backend response during server startup.

Connectify – Real-Time Social Media Platform

[\[Live Preview\]](#) [\[GitHub\]](#)

- Developed a full-stack social media platform using the MERN stack with features like posts, reels, likes, comments, and follow/unfollow.
- Implemented **real-time chat functionality using Socket.io** for seamless user communication.
- Built RESTful APIs for user management, content handling, and social interactions.
- Designed responsive UI and optimized data flow for smooth user experience across features.

Rexton – High-Performance Marketing Website

[Live Preview]

- Developed a premium marketing website using **Next.js, React, and TypeScript** with a focus on performance and scalability.
- Implemented advanced animations using **GSAP, Framer Motion, and Lenis** for smooth scrolling and interactive UI experiences.
- Built reusable, responsive components (Hero, Pricing, Testimonials, etc.) ensuring consistency across devices.
- Optimized performance using **Next.js App Router, code splitting, and SEO best practices** for fast load times and better visibility.