

MAYANK KUSHWAHA

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Frontend Developer | MERN Stack Developer | Software Developer

Technical Skills

Frontend: React.js, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Zustand, Responsive Design

Backend & Databases: Node.js, Express.js, REST APIs, ASP.NET, MongoDB Atlas, MySQL, IndexedDB

Tooling & DevOps: Git, GitHub, GitHub Actions (CI/CD), Webpack, npm, Vercel, Netlify, Chrome DevTools

Practices: Component-Driven Architecture, Agile/Scrum, Code Reviews, SEO Optimization, Accessibility (a11y)

Professional Experience

Mantra Softech (India) Pvt. Ltd.

Jun 2024 – Present

Frontend Developer

Ahmedabad, Gujarat

- Architected a reusable HTML5/CSS3/JS component library adopted across **3+ enterprise products** (company portals, Mxface biometric platform), cutting UI rework by **~40%** and ensuring design consistency at scale.
- Built real-time industrial monitoring dashboards for **Vedanta and Sterlite** using ASP.NET, REST APIs, and dynamic DOM rendering — enabling live operational tracking and faster field-team decision-making.
- Improved page load time by **30%** through asset optimization, CSS refactoring, and semantic HTML improvements; strengthened technical SEO resulting in measurably better Lighthouse scores.
- Configured **GitHub Actions CI/CD pipelines**, eliminating manual deployment errors and accelerating release cadence by **~50%** across active projects.

QSPIDERS

Jan 2024 – May 2024

Full Stack Intern

Ahmedabad, Gujarat

- Delivered *Book Odyssey* end-to-end — a MERN-stack bookstore with Next.js SSR/ISR, MongoDB Atlas persistence, Google Books API integration, and cart/wishlist functionality, shipping a production-ready app from scratch.

Key Projects

Lumina Prompt Graph | Next.js 15, React 19, TypeScript, Node.js, Tailwind CSS v4, Zustand, Three.js *[Live Demo]*

- Architected a **fully client-side, zero-backend** AI prompt management tool with **5 decoupled Zustand stores**, dual-canvas rendering (2D via React Flow + 3D via Three.js InstancedMesh), and on-device ML inference via Web Worker (Transformers.js) — all data stays in-browser via IndexedDB (Dexie.js).
- Implemented **semantic duplicate detection** (cosine similarity $\geq 85\%$) and UMAP+DBSCAN clustering for 3D "constellation" views; designed GitHub Gist REST sync with last-write-wins merge; documented **6 feature modules** in strict TypeScript for maintainability and team reuse.

Mantra & Mxface Web Platforms | HTML5, CSS3, JavaScript, SEO — Mantra Softech

- Redesigned and modernized **3 corporate web properties** (Mantra Softech, Mxface biometric platform) — built reusable Flexbox/Grid component system, implemented vanilla JS form validation and dynamic DOM logic, and improved Lighthouse performance scores by optimizing asset delivery and reducing DOM complexity.

Real-Time Industrial Dashboards | HTML5, CSS3, JavaScript, ASP.NET, REST APIs — Mantra Softech

- Engineered live operational monitoring dashboards for **Vedanta, Sterlite, and MACS** — integrated RESTful APIs via AJAX in ASP.NET for real-time data streaming, built responsive layouts for cross-device compatibility, and optimized UI rendering for low-latency display of critical industrial metrics.

MealEdge – AI Culinary Platform | React.js, Node.js, AI/ML REST APIs *[Live Demo]*

- Built an AI-powered recipe platform with ingredient photo recognition, step-by-step guidance, and nutritional analysis — integrating **2 external AI/ML APIs** with a clean, documented React component architecture ready for team handoff.

Book Odyssey – Online Bookstore | Next.js, MongoDB, Node.js, Google Books API *[Live Demo]*

- Delivered a full-stack MERN application with SSR/ISR, real-time search and filters, cart/wishlist, and persistent MongoDB Atlas data layer — improving SEO and achieving sub-2s load times across all routes.

Education

Ahmedabad Institute of Technology

Sep 2020 – May 2024

B.E. in Information Technology

CGPA: 8.9/10

Certifications

- Front-End Web Development with React – Coursera
- JavaScript Algorithms and Data Structures – freeCodeCamp
- Responsive Web Design – freeCodeCamp