Harsh Shukla

Frontend Engineer (AI Products)

+917518110812 • harshkla09@gmail.com • Lucknow, India • LinkedIn • Portfolio • GitHub • Twitter

SUMMARY

Frontend Engineer with 3.5+ years of experience building scalable web applications using **React**, **Next.js,** and **TypeScript**. Developing AI interfaces for LLM platforms at RagaAI, including agent workflows and data-intensive dashboards. Skilled in frontend performance optimization, state management, data visualization, and responsive interfaces.

EXPERIENCE

Software Engineer   Apr '24 — Present
Observance Solutions   Lucknow, India
Driving frontend development at <u>RagaAI</u>, an AI product startup, through an engineering partnership.
- Built AI-integrated frontend interfaces including **LLM playgrounds**, agent trace views, agentic workflows, and data-focused **dashboards** using React, TypeScript, Plotly, **Canvas** and **Chart.js**.
- Implemented interfaces for healthcare **AI chatbot widget,** and real-time **audio agents**, handling conversational flows, **streaming responses**, and session-aware UI states.
- Developed reusable **UI components** using Storybook and Vitest, ensuring consistency and cross-browser compatibility.

Associate Software Engineer   Jun '22 — Mar '24
CEDCOSS Technologies   Lucknow, India
- Owned frontend for Shopify B2B integrations using **React, Polaris, and TypeScript**, supporting merchant workflows and contributing to **>$30K monthly revenue**.
- Revamped websites with **responsive design** and improved frontend performance using **Web Vitals, lazy loading,** and **throttling,** reducing API load by ~30% and increasing session duration by ~20%.
- Improved state management with **Redux Toolkit** and **CI/CD** workflows, reducing deployment time & merge conflicts.

PROJECTS

Catalyst, RagaAI Link   Sep '24 — Present
- Led Frontend for automated **LLM and RAG testing platform**, built LLM playground with versioned prompt experiments, real-time model response diffing, and visual debugging tools.
- Implemented **data-intensive dashboards and agent trace views** to analyze multi-agent workflows, improving debugging efficiency and reducing prompt iteration cycles by ~30%.

Prism, RagaAI Link   Apr '24 — Sep '24
- **Computer vision** model testing and diagnostics platform; built video analysis and embedding visualization tools using **Canvas**, enabling frame-level inspection and real-time detection of model behavior and data anomalies.

Google Feed app, CedCommerce Link   Jan '23 — Mar '24
- Shopify app for managing product listings, ads, and analytics; built large-inventory management interface using **Ant Design**, supporting product catalogs for **5,000+ merchants**.
- Improved frontend **responsiveness** across merchant workflows and developed analytics dashboards with secure **multi-step authentication**, contributing to **~10% revenue growth** and improving merchant retention.

NoteFlow AI Assistant Link   Sep '25
- Multi-modal **RAG assistant** for document upload, indexing, and conversational Q&A; built interactive user interface using **Next.js**, enabling seamless document interaction and chat workflows.
- Implemented **vector embedding search** and memory integration using **LangChain**, enabling context-aware responses.

SKILLS

Languages :   JavaScript (ES6+), TypeScript, HTML5, CSS3
Libraries / Frameworks :   React, Next.js, Redux Toolkit, Zustand, React Query, Tailwind CSS, Chart.js, Plotly, Canvas
AI / GenAI: LLMs, RAG, Prompt Engineering, Vector Embeddings, Agent Workflows, LangChain
Tooling & Workflow: Git, CI/CD, Vite, Webpack, Docker, REST APIs, Figma, Storybook, Vitest, Responsive Design, Cross-Browser Compatibility, WCAG, Frontend Architecture, API Integration, Performance Optimization, Debugging

EDUCATION

Master in Computer Applications (MCA), Kamla Nehru Institute of Technology (KNIT)   Jun '20 — Jun '22

CERTIFICATIONS

Oracle Cloud Infrastructure - Generative AI Professional, Oracle   Oct '25

GenAI Engineering Cohort, Chai Aur Code   Sep '25

Developing Back-End Apps with Node.js and Express, IBM   Dec '24