

Y Lakshmi Charan

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OBJECTIVE

Frontend-focused developer experienced in delivering production-grade, responsive web applications using React.js, Next.js, and modern UI frameworks, with a strong emphasis on performance, usability, and scalable component architecture.

SKILLS

Languages	Java, Python, JavaScript, SQL, C/C++
Backend	FastAPI, Node.js, Next.js, REST APIs, PostgreSQL, MySQL, Supabase, Clerk
Frontend	React.js, Tailwind CSS, GSAP, HTML/CSS, Three.js
ML / AI	LangChain, LLM Integration, ChatGPT API, FAISS (Vector Search), Embeddings
Problem Solving	Solved 110+ DSA problems on LeetCode.

EXPERIENCE

Freelance Frontend Developer — Remote June 2024 – present

Front-end Development

- Owned and delivered 3+ production-ready, client-facing, responsive web applications using React.js and Next.js, translating business and user requirements into scalable solutions and improving page load performance by up to 30% through optimized rendering, routing, and component architecture.
- Led requirements gathering and UI design discussions, built and maintained 15+ reusable Tailwind CSS components, and implemented GSAP animations, improving frontend development efficiency by 25% and increasing user engagement metrics by 18%.
- Owned end-to-end frontend integration and deployment, implementing and optimizing RESTful API integrations with lazy loading, memoization, and efficient data-fetching strategies to improve application scalability, performance, and reliability in production environments.

PROJECTS

Beauty-Wellness Web Application | [source code](#) | [link](#) July 2025

- Developed a **full-stack MERN application** with a decoupled architecture and **RESTful APIs** for beauty and wellness services.
- Implemented **JWT-based authentication and authorization** for secure user access and protected booking workflows.
- Built a **service catalog and appointment booking system** with real-time data persistence using **MongoDB**.
- Deployed a production-ready system by hosting the **React.js frontend on Vercel** and the **Node.js/Express backend on Render**, managing environment variables for secure cross-origin connectivity.

Quick Cart – E-commerce Web App | [source code](#) | [link](#) June 2025

- Built a responsive e-commerce platform allowing users to browse products, manage cart, and upload items.
- Integrated **Clerk authentication** for secure user login/signup and session management.
- Used **Supabase** for real-time database operations to store and fetch product details and user data.
- Handled **image uploads and optimization via Cloudinary**, with support for preview and CDN delivery.
- Implemented protected routes, dynamic product pages, and persistent cart functionality.

Inglewood Urgent Care | [link](#) June 2023

- Built a responsive and accessible health services website using **React** and **Tailwind**.
- Implemented smooth scroll-based animations and visual transitions with **GSAP**, enhancing user engagement.
- Optimized UI for mobile and desktop devices, ensuring fast load times and seamless navigation.

EDUCATION

Lovely Professional University	Phagwara, Punjab
<i>Bachelor of Computer Science and Technology, Minor: Web Development</i>	<i>Aug. 2023 – Currently</i>
Relevant Coursework: Data Structures and Algorithms (Leetcode) , Computer Networks, Web Development (MERN Stack)	