

ALAPANA LAVANYA

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OBJECTIVE

Aspiring Full Stack Web Developer with a strong foundation in MERN stack, seeking to contribute to dynamic projects while continuously learning and growing in a fast-paced development environment.

EDUCATION

Rajiv Gandhi University of Knowledge and Technologies

2022 – 2026

Btech in Computer Science and Engineering - CGPA - 8.6

Andhrapradesh, India

Rajiv Gandhi University of Knowledge and Technologies

2020 – 2022

Pre University Course- CGPA - 9.9

Andhrapradesh, India

PROJECTS

AID Global Foundation Website | Next.js + Supabase + TypeScript

- Built a donation platform using Supabase and Next.js with markdown-driven campaign content and real-time donor analytics.
- Integrated Razorpay payments, dynamic campaign product links, and admin dashboard with role-based access.
- Implemented search, filtering, and pagination for campaigns/blogs to enhance user experience and content discoverability.
- Optimized Supabase queries and leveraged SSR for faster load times and improved SEO.

Cargo Shipment Tracker | MERN + Leaflet.js

- Built a Cargo Shipment Tracker using the MERN stack with REST APIs for shipment creation, updates, and ETA predictions.
- Designed MongoDB models for container ID, route, current location, status, and ETA.
- Developed a React + Redux dashboard with sortable shipment tables and add-shipment form.
- Integrated interactive maps (Leaflet/Google Maps) for live shipment tracking and route visualization.

Mobile Shopping Application | MERN Stack

- Built a full-stack e-commerce mobile shopping application using ReactJS, NodeJS, Express, and MongoDB.
- Designed a mobile-first UI with Tailwind CSS for product browsing, authentication, and secure payments.
- Implemented product search, category filters, and cart management with Redux state handling.
- Integrated Cloudinary for optimized product image uploads and delivery.

Facebook Messenger Bot | Node.js + Webhooks + Graph API

- Developed a Messenger bot using Node.js and Meta Graph API. Implemented webhook endpoints to send and receive messages with hard-coded PSID.
- Used ngrok and Graph API Explorer to verify subscription and demonstrate full message flow from user to bot reply.
- Configured webhook validation to ensure secure bot communication with Facebook's platform.
- Documented setup and deployment steps for rapid replication in testing environments.

AURA: Emotion Aware ChatBot | React + Flask + SQLAlchemy

- Developed an interactive chatbot with emotion recognition using Flask + SQLAlchemy backend and React frontend. UI dynamically updates emojis, animations, and messages based on emotion.
- Trained emotion classification model to detect user sentiment from text and adjust chatbot responses.
- Implemented persistent chat history with SQLite integration for session continuity.

TECHNICAL SKILLS

- Languages:** Java, JavaScript, TypeScript, Python, C, SQL
- Frontend:** React.js, Next.js, Redux, Tailwind CSS, HTML, CSS
- Backend:** Node.js, Express.js, Flask, Supabase (Edge Functions), Graph API
- Database / APIs:** MongoDB, Supabase, REST APIs, Webhooks
- Developer Tools:** VS Code, IntelliJ IDEA Ultimate, Git, GitHub, Postman, ngrok, Graph API Explorer, Vercel

EXPERIENCE

AID Global Foundation 

Remote

Full Stack Developer

May 2025 – August 2025

- Developed a full-stack donation platform using Supabase and Next.js, featuring markdown-driven campaign content and real-time donor analytics.
- Integrated Razorpay payments, enabling secure online transactions with dynamic product-to-campaign linking.
- Built an admin dashboard with secure role-based access control for managing campaigns, donors, and analytics.
- Implemented search, filtering, and pagination for campaigns and blogs to improve user navigation and discovery.
- Optimized Supabase queries and SSR rendering for faster page loads and better SEO performance.