

Ajith K V

MERN Stack Developer

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Summary

MERN Stack Developer experienced in building production-ready applications, admin dashboards, authentication systems, stock management, analytics modules, payment integrations, and AI-powered features with optimized backend architecture and smooth UI interactions.

Projects

VestidoClub Fashion E-Commerce

A complete end-to-end fashion e-commerce platform delivering a modern, fast, and interactive shopping experience.

- Google OAuth + JWT authentication with secure route protection
- Wishlist, cart, orders, and real-time order tracking
- Razorpay integration for secure online payments
- Admin dashboard: full CRUD, user management, stock controls, order updates
- Analytics dashboard: sales, revenue, users, products with Recharts
- Cloudinary image uploads and Mailjet email automation
- Built using React 19, Tailwind css, Express 5, Redis caching, GSAP, Framer Motion, Redux-toolkit, Razorypay

MERN E-Commerce Website for Lakshmi Distributors

A grocery delivery platform built for real-world business requirements.

- JWT-based authentication, product browsing, filters, and search
- One-hour order cancellation window with automated backend validation
- Review system with admin moderation
- Razorpay secure payments and order receipts
- Admin panel for stock management, review controls, and sales analytics
- Delivery restricted to a 5 km radius with location-based validation

Movie App (MERN + Clerk + OpenAI)

AI-driven movie discovery system with authentication and content generation.

- Clerk authentication (email, OAuth) for secure login/signup
- Popular movies with details, filters, and dynamic search
- AI-generated movie summaries, ratings, and recommendations via OpenAI
- Usage limit of 2 AI searches per user to control API usage

- Fully responsive UI built with React + Tailwind

Smartcors — NPM Package

Environment-aware CORS middleware offering more control than the official `cors` library.

- Wildcard domain matching (e.g., `*.example.com`)
- Regex-based origin filtering (e.g., `/\s.mydomain\.com$/`)
- Auto-whitelisting of localhost ports (3000, 5173, 5174)
- Environment variable support via `ALLOWED_ORIGINS`
- Auto-detection of Vercel/Render production URLs
- Dynamic runtime whitelisting of first unknown production origin
- Zero-dependency; drop-in replacement for `cors`
- Designed to eliminate CORS issues in both development and production

Tech Stack

Languages & Runtimes: JavaScript, TypeScript, HTML, CSS, Node.js

Frameworks & Libraries: React 19, Redux Toolkit, Tailwind CSS, Bootstrap, Axios, GSAP, Framer Motion, Swiper.js, Recharts, Socket.io, Express.js, Mongoose, Multer, Clerk

Databases & Auth: MongoDB, Redis (ioredis), JWT, Google OAuth

Services & Tools: Razorpay, Cloudinary, Mailjet, Nodemailer, Streamifier, Resend, Postman

DevOps & Deployment: GitHub, Git, Render, Vercel, GitHub Pages

Education

Bachelor of Computer Applications (BCA)

Srinivas University, Mangalore — 2022–2025

Higher Secondary Education

St George's HSS Thozhiyoor — 2020–2022