

MOHAMMED SHABIK

Mangaluru, Karnataka, India

Computer Science Engineer | Software Engineer | AI & Full-Stack Developer

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 LinkedIn  GitHub

Experience

Software Engineer / Full-Stack Developer

2026

FrameKart – E-Commerce Platform

India

- Designed, developed, and deployed a production-oriented e-commerce platform for custom and bulk photo frame ordering using Next.js, TypeScript, Node.js, MongoDB, and Tailwind CSS.
- Architected customer and administrative workflows covering product discovery, custom frame configuration, cart management, checkout, order processing, and product administration.
- Developed reusable frontend components and backend APIs using the Next.js App Router, React, REST APIs, Mongoose, and MongoDB.
- Integrated Cashfree payment processing and Cloudinary-based image upload and media management for customer-generated frame content.
- Implemented authentication, role-based access control, admin dashboards, product management, order workflows, and operational interfaces.

Projects

FrameKart – Full-Stack E-Commerce Platform

Live

- Architected, developed, and deployed a full-stack e-commerce platform specializing in premium photo frames, personalized framing solutions, and bulk-order fulfillment through a customer-centric digital storefront.
- Engineered a modular application architecture using Next.js App Router, TypeScript, reusable React components, RESTful APIs, and MongoDB to support maintainable code, efficient data management, and scalable commerce workflows.
- Developed an interactive Custom Frame Studio enabling customers to upload personal photographs, configure frame dimensions, select frame styles, finishes, and profiles, and view dynamically calculated pricing.
- Implemented comprehensive e-commerce functionality, including product discovery, category-based navigation, product detail pages, shopping cart management, checkout workflows, and order lifecycle management.
- Integrated Cashfree for online payment processing and Cloudinary for image uploads, cloud-based media management, and optimized delivery of product photographs and customer-uploaded images.
- Designed and optimized responsive, mobile-first user interfaces with a premium visual experience, intuitive product customization, streamlined purchasing workflows, and consistent usability across desktop and mobile.

WhatsApp Commerce Platform

Live Demo

- Developed a conversational commerce platform enabling customers to browse product catalogs, explore categories, and discover products directly through WhatsApp.
- Implemented interactive product carousels to display product images, pricing, and product details for a seamless shopping experience.
- Built interactive messaging flows and category-based navigation to help customers explore available products and shopping options.
- Designed customer journeys for product discovery, custom frame inquiries, and personalized shopping requirements.
- Integrated cart-based shopping interactions to help customers select products and proceed toward checkout.
- Streamlined the customer purchase journey by connecting product discovery, shopping interactions, and order support within a unified conversational interface.

AgentOS – AI Marketing & Automation Platform

Live

- Developed an AI-powered WhatsApp marketing and automation SaaS platform enabling businesses to manage customer engagement, marketing campaigns, lead generation, conversational commerce, and automated business workflows.
- Architected a modular AI orchestration system with provider abstraction and a centralized tool registry, enabling AI agents to process customer queries, discover products, and execute business-specific actions.
- Designed WhatsApp marketing automation workflows for business messaging, customer engagement, promotional campaigns, and automated communication through integration with the WhatsApp Cloud API.
- Developed conversational commerce capabilities supporting product discovery, interactive catalogs, product cards, cart operations, and customer purchasing journeys directly through WhatsApp.
- Engineered a multi-tenant SaaS architecture with business-specific configurations, WhatsApp integrations, AI agent settings, and product catalogs to support independent business operations and automation.
- Built centralized business dashboards for WhatsApp onboarding, connection management, AI workforce configuration, product management, and marketing and operational workflow management.

Triploom – AI-Powered Travel Planning Platform

In Development

- Developing an AI-powered travel planning platform that generates personalized travel itineraries based on user preferences, budget, destinations, and trip duration.
- Designing a conversational AI travel planner to provide personalized destination recommendations, day-wise itineraries, and activity suggestions.
- Building a travel discovery platform featuring destinations, hotels, resorts, homestays, restaurants, and activities.
- Developing a business listing model that enables hospitality providers to promote their properties and services through paid listings while keeping core travel planning features free.
- Implementing a responsive user interface using Next.js, TypeScript, and Tailwind CSS, with reusable components and a premium design optimized for desktop and mobile devices.
- Designing a scalable MongoDB database architecture to manage destinations, accommodation listings, user preferences, business profiles, and personalized travel itineraries.

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, SQL

Frontend: React.js, Next.js, Angular, React Native, Flutter, HTML5, CSS3, Tailwind CSS, ShadCN UI

Backend: Node.js, Express.js, FastAPI, REST APIs, API Design, Authentication, Server-side Development

Databases: MongoDB, Mongoose, PostgreSQL, SQLite

WhatsApp Marketing & Automation: Meta WhatsApp Cloud API, WhatsApp Business Platform, Webhooks, Message Templates, Interactive Messages, Automated Messaging, Message Status Tracking, Contact Management

Authentication & Security: JWT, Clerk, NextAuth, Role-Based Access Control, API Authentication

Cloud & DevOps: Vercel, AWS, Docker, Git, GitHub, Cloudinary

Payments & Integrations: Cashfree, Razorpay, WhatsApp Cloud API, Resend, Cloudinary

Development Tools: VS Code, Postman, Android Studio, Expo, Zustand, Google Antigravity

Education

Sahyadri College of Engineering and Management

Mangaluru, India

B.E. in Computer Science and Engineering

2023 – 2027

Leadership & Involvement

Academic Representative

2026 – Present

Sahyadri College of Engineering and Management

Mangaluru, India

- Coordinate academic and departmental communication between students, faculty, and student associations.
- Organize and communicate class-level activities, announcements, participation requirements, and student coordination.