

Aryan B V

Full-Stack Software Developer | AI/ML Engineer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Full-stack developer and AI/ML engineer who ships production-grade systems end-to-end — from e-commerce platforms processing live customer payments and healthcare tools with AI-powered OCR document analysis, to business operations software actively running in a client's production environment. Works across Next.js, Node.js, Supabase, and AI APIs (OpenAI, Claude). Strong domain knowledge of SME operations and Indian export processes.

EDUCATION

B.Tech in Artificial Intelligence and Machine Learning

M S Ramaiah University of Applied Sciences, Bangalore | 2021 – 2025 | GPA: 8.0/10

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, SQL

Frontend: React.js, Next.js 16, Tailwind CSS, Framer Motion, Zustand, React Query, shadcn/ui

Backend: Node.js, NestJS, Express.js, REST APIs, Next.js Server Actions

Databases: PostgreSQL, MySQL, MongoDB, Supabase, pgvector

Cloud/DevOps: Azure, Vercel, Railway, Git, GitHub Actions

AI/ML: OpenAI API, Claude API, TensorFlow, scikit-learn, Pandas, NumPy, OCR (Tesseract.js)

Tools: Razorpay, JWT, OAuth 2.0, Zod, Vite, Postman

PROJECTS

AJSP Manager — Business Management System

Next.js 16, React 19, TypeScript, Supabase, PostgreSQL, Zod, Tailwind CSS, shadcn/ui

- Built and deployed a full-stack business management system actively used in production by an automotive spare parts retailer — covering 500+ SKU inventory, purchase invoicing with multi-file uploads, partial payment tracking, loan/EMI management, and monthly financial summaries with Excel export
- Implemented PostgreSQL generated columns for inventory line totals computed at the database level and cascading auto-sync across all purchase and payment mutations to keep monthly summaries consistent in real time
- Architected with Next.js Server Actions exclusively (zero API routes) and Zod server-side validation on every mutation; deployed as an installable PWA so the client opens it like a native app — no browser, no login link, direct from the home screen

Lumina Crafts — Candles E-Commerce Platform | [Live](#) | [GitHub](#)

Next.js 14, TypeScript, Supabase, PostgreSQL, Razorpay, Tailwind CSS

- Built and deployed a full-stack e-commerce platform for premium handcrafted candles — category-filtered product catalog, real-time cart with notifications, guest checkout, and a free shipping calculator (₹1000+ orders) on Vercel with sub-2s load times
- Integrated Razorpay payment gateway supporting UPI, cards, net banking, and wallets, alongside Cash on Delivery; implemented automated order confirmation email flow on checkout completion
- Synced real-time cart state via Zustand and Supabase subscriptions for both guest and authenticated users, with live notifications on every cart action
- Integrated Row Level Security (RLS) policies and OAuth authentication, ensuring 100% secure user data access

SMART_MED - Healthcare Management System | [GitHub](#)

React 18, TypeScript, Node.js, Express.js, Supabase, Tesseract.js, React Query, React Flow, shadcn/ui

- Developed diabetes management platform with family tree visualization, reducing patient data retrieval time by 40%
- Implemented OCR-based medical document processing using Tesseract.js for prescription digitization and automated medicine name detection from uploaded images
- Implemented hierarchical access control with Supabase Auth and RLS — 3 user roles (patient, family member, doctor) with row-level data isolation enforced at the database level per family tree

CERTIFICATIONS & HIGHLIGHTS

- 544+ contributions in the last year across 30+ repositories
- Microsoft Azure AI Fundamentals (AI-900)** — Credential ID: 878ECBC7C3BE4794 | Jan 2025