BINU M

Full-Stack Web Developer | Python Developer

+91 7994839911 | binumadhavan2@gmail.com | Coimbatore, Tamil Nadu / Palakkad, Kerala

linkedin.com/in/binu-madhavan-734a99251 | github.com/binumadhavan2-prog | binu-m.vercel.app

PROFESSIONAL SUMMARY

Full-stack web developer at Onwords Private Limited building production web applications with React, Next.js, NestJS, Python and PostgreSQL/Supabase. Built a production direct-selling platform with online payments, payouts and a commission engine, plus client websites. Also builds AI tools with the Claude API (retrieval-augmented answers, ticket triage) and Windows and Android apps. Works with Git/GitHub and GitHub Actions, and deploys to Vercel, Cloudflare and Supabase.

PROFESSIONAL EXPERIENCE

Web Developer — Onwords Private Limited *Chinniyampalayam, Coimbatore | 2026 – Present*

- **Mutual Aid House** (production client platform, mutual-aid-house.vercel.app): built a NestJS + Prisma + PostgreSQL REST API with a Next.js admin panel and member area, Cashfree checkout, a binary commission engine, and wallets paid out to bank or UPI after KYC.
- Implemented refunds with commission clawback, scheduled payout jobs and an admin panel (members, genealogy tree, commissions, payouts, KYC, Excel reports); stored money as integer paise.
- Added unit, end-to-end API and browser UI tests, and automated deployment with GitHub Actions to Supabase Edge Functions and Cloudflare Pages.
- **Kalyan Finance** (client website, kalyan-finance.vercel.app): multi-page responsive React site with an English/Tamil toggle, a loan repayment calculator, a validated enquiry form and SEO-friendly page structure.
- **Neema Homes** (trial project, not launched, neema-homes-nine.vercel.app): React site for an interior design business with a gallery, price calculator and a Supabase admin dashboard secured by Auth and row-level security.
- **Carys Wedding (WeDay.in)**, a wedding vendor marketplace built by the team: integrated Razorpay payments for vendor listing fees with server-side signature verification, and handled testing and debugging.

PROJECTS

Support Pilot AI — AI Support & Operations Copilot (personal project) github.com/binumadhavan2-prog/support-pilot-ai

Next.js 16, TypeScript, PostgreSQL + pgvector, Drizzle ORM, Claude API, Tailwind CSS, Docker

- Ticket system where Claude triages tickets and drafts replies grounded in company documents with source citations; a human approves every reply.
- Multilingual retrieval (English, Hinglish, Tanglish) with local embeddings and pgvector; role-based access, multi-tenancy, SLA timers and analytics.

Kavacham — Windows Security & Cleanup App (personal project) github.com/binumadhavan2-prog/kavacham

Python, Tkinter, Windows APIs, PowerShell, ADB

- Antivirus companion combining Microsoft Defender scans with its own engine (SHA-256 signatures, heuristics, quarantine), URL reputation from threat feeds, USB and Android phone scanning, a security checkup and junk cleaning.

Monkey Play — Desktop & Android Companion (personal project) github.com/binumadhavan2-prog/monkey-play

C#, Java (Android), Open-Meteo API, Claude Code

- Animated desktop companion with reminders, music-reactive dancing, weather forecasts and an AI chat; released as a Windows app and an Android app.

BIGMART — Online Grocery Management Web Application *Academic Project, Luminar Technolab, Kochi | 2022 – 2023*

Python, SQL, MySQL, HTML, CSS

- Designed and developed a web application for online grocery transactions and product management with database-driven functionality.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, C#, Java
Frontend: HTML, CSS, React, Next.js, Tailwind CSS, Vite, Responsive Web Design
Backend: NestJS, Node.js, REST APIs, Prisma, Drizzle ORM
Databases: PostgreSQL, MySQL, Supabase (Auth, RLS, Storage), pgvector
AI: Claude API, Retrieval-Augmented Generation (RAG), Claude Code
Integrations: Cashfree Checkout & Payouts, Razorpay Checkout, Resend email, Open-Meteo
Tools & Deployment: Git, GitHub, GitHub Actions, Docker, VS Code, Vercel, Cloudflare Pages, Supabase Edge Functions

Other: Website Design, UI/UX, Debugging, Testing (unit, end-to-end, browser), SEO Basics

EDUCATION

B.Sc Computer Science — SAN International College of Arts and Science, Walayar | 2019 – 2022
Certificate Course (Full Stack Development) — Luminar Technolab, Kochi | 2022 – 2023
Python Development Training — Meta Scifor Technologies Pvt Ltd | Nov 2024 – Feb 2025 (Certificate ID: MST25260010)
Higher Secondary Certificate — GHSS Thenkurissi, Kerala | 2017 – 2019
SSLC — GHSS Thenkurissi, Kerala | 2017

CORE STRENGTHS

Problem Solving • Analytical Thinking • Team Collaboration • Adaptability • Creative Thinking • Continuous Learning

LANGUAGES

Malayalam — Native • English — Proficient • Tamil — Proficient • Hindi — Intermediate