

KANWAL KUMAR

AI & Automation Engineer

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PORTFOLIO

Projects

Personal RAG Assistant · Python, FastAPI, LangChain, Chroma, Docker Live at kanwalkumar.com

- Retrieval-augmented assistant answering questions from a private document corpus, citing its source and refusing rather than fabricating.
- Four LLM providers in an automatic fallback chain, free tiers first; local embeddings so retrieval carries no API dependency or quota.
- Three layers of rate limiting evaluated before any model call, so blocked requests cost nothing. Self-hosted on Docker behind a reverse proxy.

Fast Track Supply · Next.js, Node.js, OpenAI, Vercel, Cloudflare Live at fasttracksupply.vercel.app

- Catalogue site with client-managed admin panel, two-way enquiry automation and a grounded AI assistant — the client's first online presence.
- Scoped and delivered in seven days by building the narrowest working version of each feature in priority order.

WordPress Taxi Booking Plugin · PHP, MySQL, Google Maps API, Mollie Live at quicktaxiamsterdam.nl

- End-to-end booking with distance-based fare calculation, payment handling and server-side validation, replacing a rented SaaS the operator could not configure.
- Eliminated a recurring subscription and returned ownership of pricing rules and booking data.

EXPERIENCE

AI Automation Engineer · CodePro Software and Web Services Nov 2025 – May 2026

- Built and deployed AI agents and workflow automations, owning architecture, integrations, deployment and maintenance.
- Developed a multilingual WhatsApp AI agent supporting 95+ languages, handling customer conversations end to end.
- Built automation pipelines in n8n and Make connecting CRM, communication and project management tools, replacing manual handoffs.
- Implemented RAG pipelines so model outputs were grounded in client business data rather than general knowledge.

AI Automation Engineer (Freelance) · Self-employed 2023 – Present

- Deliver AI agents, automation systems and web applications for clients in Australia, the Netherlands and Pakistan, from scoping through deployment and support.
- Maintain every system delivered; all remain in production.

SEO & Website Developer · TechTalks.pk Apr 2025 – Jun 2025

- Improved organic search performance through on-page technical SEO and Core Web Vitals optimisation; tracked results in Search Console.

EDUCATION

BSc Computer Science · Millennium Institute of Technology and Entrepreneurship · 2024 – 2028

Certification, Agentic AI Development · Saylani Mass I.T. Training (SMIT) · 2026

Certification, Full Stack Development · TIME Institute · 2023

TECHNICAL SKILLS

Languages Python, TypeScript, JavaScript, PHP, SQL, Bash

AI & Agents LangChain, OpenAI API, RAG pipelines, vector search, prompt engineering

Automation n8n, Make, Twilio, WhatsApp Business API, Zapier, REST APIs, webhooks

Backend FastAPI, Node.js, PostgreSQL, MySQL, Redis, Supabase, Chroma

Frontend React, Next.js, Tailwind CSS, WordPress, HTML/CSS

Infrastructure Docker, Linux, Nginx, Caddy, AWS, Vercel, Cloudflare, Git

Honours: 3rd Prize, Geekathon 2025. Languages: English (full professional proficiency).