

GOPAL BAGASWAR

AI Engineer | Context Engineering | RAG | Multi-Agent Systems | MCP | LangGraph

gopalbagaswar19@gmail.com · [linkedin.com/in/gopalbagaswar](https://www.linkedin.com/in/gopalbagaswar) · github.com/GopalGB · Bengaluru, India (IST — 3-4h overlap with EU & US-ET mornings) · Remote-ready worldwide (EOR / contractor) · Open to relocation with visa sponsorship

PROJECTS

MAX HQ — 50+ Agent Autonomous AI System | *Production* · 24/7

- Architected **50+ specialized agents** across 6 departments with cross-agent routing, persistent memory, **28+ cron jobs**, self-healing watchdog
- Built on **Claude API + Model Context Protocol (MCP)** with **18+ MCP servers** (GitHub, Tavily, Exa, Chrome DevTools, Playwright, Semantic Scholar, code-review-graph)
- Designed **5-component context architecture** per agent + model routing (Haiku / Sonnet / Opus) + anti-hallucination stack (principle block, Pydantic outputs, confidence-gated abstention ≥ 0.85 , Citations API, SQLite-logged calls)
- **Stack:** Python 3.12, Claude SDK, MCP, Pydantic AI, Telegram Bot, LaunchAgents, Playwright, SQLite

CitiPoints-v2 — LLM-Grounded Partner Analytics Platform | *Live* · *Cloudflare Tunnel*

- End-to-end full-stack platform (FastAPI + Next.js 14) for partner loyalty / market-basket intelligence; presented in live executive demo
- FastAPI async chat router with **anti-hallucination principle block**, Pydantic structured outputs, Citations-grounded LLM responses; Next.js 14 App Router (RSC) executive boardroom — KPI tiles, market basket, store inventory, bundles, category drill-down
- **Stack:** FastAPI, Pydantic, Claude/OpenAI via OpenRouter, Next.js 14, TypeScript, TailwindCSS, Cloudflared

GetCallBounce — AI Missed-Call Recovery (B2B SaaS) | getcallbounce.com

- Multi-agent prediction layer for US home-services (HVAC, plumbing, roofing); cold-outreach pipeline (email + SMS + lead scoring) with **TCPA / CAN-SPAM** + a2p 10DLC compliance
- Integrated **Twilio + n8n + Stripe** end-to-end with webhook-driven 3-tier billing; prompt-injection defenses (untrusted-content barriers, two-loop separation)
- **Stack:** Python, Claude (Haiku 4.5 + Sonnet 4.6), Twilio, n8n, Stripe, Node.js, Postgres

EXPERIENCE

Senior Data Analyst — Automation Engineering | Catalyst Brands (formerly JCPenney) | Bengaluru | Nov 2025 – Present

- **Engineered 60x efficiency gain** in Division 5 spec-sheet automation (130+ hrs/month saved); built multi-threaded Python validation engine scanning **600+ Excel files** with anomaly detection
- Replaced legacy VBA stack with Python + BigQuery pipelines processing **445+ files across 7 divisions**; team-wide saving \approx 200 hrs/month

Senior Data Analyst | Landmark Group (Dubai-HQ retail group) | Bengaluru, India — Middle East markets | Jun – Nov 2025

- Owned analytics for **Shukran loyalty program** — 10M+ members, 6 GCC markets; built cross-market dashboards and customer-segmentation pipelines

Analyst | Nielsen | Mumbai | Aug 2024 – Jun 2025

- Automated audio analytics for **100+ radio stations** across India; engineered data-validation and quality-assurance pipelines

Data Analyst | TCS | Hyderabad | Jan 2022 – Jul 2024

- Built statistical forecasting (Prophet, ARIMA) and automated reporting dashboards; TCS iGnite graduate (2021)

SKILLS

AI / LLM: Claude API, OpenAI, OpenRouter · LangGraph · Pydantic AI · Claude Agent SDK · **MCP / FastMCP (18+ servers)** · A2A · Multi-Agent Orchestration · **Context Engineering** · Prompt Engineering · Tool Calling · Agent Memory · **RAG** (hybrid BM25 + semantic, re-ranking) · Multimodal RAG · LLM Eval (DeepEval, LangSmith, Promptfoo) · Anti-Hallucination (Citations API, CoVe, structured outputs, confidence gating)

Backend / Data: Python 3.12 (async/await, Pydantic) · FastAPI · Flask · Spring Boot · Node.js · SQL (expert) · BigQuery · MySQL · PostgreSQL · pgvector · ChromaDB · pandas · ETL · Excel/VBA

Frontend / Infra: React 18 · Next.js 14 (App Router, RSC) · TypeScript · TailwindCSS · Docker · GitHub Actions · AWS Bedrock · Vercel · Cloudflare Tunnel · LaunchAgents · Linux · Git

EDUCATION & CERTIFICATIONS

MS in Computer Science (AI/ML) — Woolf University · 2022 – 2024 · HuggingFace **AI Agents** + **MCP** Courses · Karpathy **Zero to Hero** · TCS iGnite (Python, ML, Data Science) · Self-designed 180-day AI Engineer curriculum