

Musadiq Gilal

📍 Karachi, Pakistan • ✉ mkgilal@gmail.com • 📞 0343 3492364 • 🌐 musadiq.info • 📺 musadiqgilal • 🎧 Musadiqg

Summary

Full-stack developer specialising in AI-driven application development. I build end-to-end apps using AI coding tools (Claude Code, Cursor) and ship AI products built on LLMs, autonomous agents, and Agentic RAG pipelines.

Experience

- Hudson Pharma Pvt. Ltd.**, Assistant Manager, IT – Karachi, Pakistan June 2023 – present
- Initiated AI-driven development at Hudson Pharma, led team onboarding to modern LLM-based workflows, and established internal AI development practices.
 - Built end-to-end in-house StageGate system for R&D, Regulatory, and product development processes.
 - Architected and deployed a production Agentic RAG system indexing 5 years of organisational knowledge, enabling natural-language retrieval across Sales, Finance, HR, and operations.
 - Built autonomous AI agents for Sales, Finance, and HR integrated into Slack; transitioned 25% of daily workflows to AI automation.

Projects

- Crystal: Enterprise Voice AI** Jan 2025
- Real-time voice AI agent for business phone lines and in-app calling. Natural speech, tool-grounded actions, structured handoffs.
 - Stack: Python, Pipecat, Google Gemini (native audio), Telnyx (PSTN/SIP), FastAPI, Docker, Supabase.

- Know Your Skin: AI Dermatology Platform** Jan 2025
- Open-source AI skin analysis using Google Derm Foundation (Vertex AI) to score six skin dimensions from one photo and generate personalised product routines.
 - Stack: Python, Vertex AI, Google Derm Foundation, Docker. White-label REST API for skincare brands.

- Hudson Pharma AI Platform** Jan 2024
- End-to-end internal AI platform: Agentic RAG system over 5 years of organisational documents and autonomous agents for Sales, Finance, and HR, deployed into Slack.
 - Stack: Python, LangChain, LangGraph, AWS Bedrock, Vertex AI, pgvector, Supabase.

Education

- BS FAST - NUCES**, BS in Computer Science Aug 2020 – May 2024
- Rockford Cambridge School**, O/A Levels – Hyderabad Aug 2015 – May 2020

Skills

- LangChain, LangGraph, Agentic RAG, LLM Integration, Prompt Engineering, Tool Use, Structured Outputs
- OpenAI, Anthropic Claude, Google Gemini, AWS Bedrock, Vertex AI
- Claude Code, Cursor, MCP Servers, n8n, Pipecat, Slack API
- Python, TypeScript, JavaScript, SQL
- Docker, PostgreSQL, Supabase, pgvector, React, Next.js, FastAPI, AWS Lambda
- Git, CI/CD (GitHub Actions, Docker pipelines), automated deployments
- Figma, Framer Motion, Claude Design, Google Flow