

# MALAHIM HASEEB

AI Engineer | LangGraph & Agentic Systems | LLMs, RAG & MCP | Full-Stack AI Products  
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## SUMMARY

AI Engineer with 3+ years building LangGraph pipelines, RAG systems, and LLM-powered products in production. Shipped agentic multi-step systems, PR review bots, no-code AI SaaS platforms, and NLP-integrated apps. Fluent in the full AI stack: prompt engineering, vector databases, tool-use, MCP servers, and streaming LLM deployments on AWS.

## TECHNICAL SKILLS

**AI / ML:** LangGraph, LangChain, MCP (Model Context Protocol), OpenAI API, Google Gemini, RAG, Pinecone, Vector DBs, Agentic Workflows  
**AI Techniques:** Prompt Engineering, Tool-Use / Function Calling, Multi-Agent Orchestration, NLP, Sentiment Analysis, Semantic Search  
**Languages & Backend:** Python, TypeScript, FastAPI, NestJS, Node.js, REST APIs, WebSockets, SSE  
**DevOps & Cloud:** Docker, GitHub Actions CI/CD, AWS (EC2, S3, Lambda), Pytest, Redis, PostgreSQL, MongoDB

## EXPERIENCE

- Freelance AI Engineer | Self-Employed | Remote** Sep 2025 – Present
- Built RAG pipelines, LangGraph workflows, and LLM chatbots for international clients using OpenAI, Gemini, and Tavily. Deployed full-stack apps on AWS EC2 and S3; collaborated directly with client product teams on requirements and delivery.
- Associate Software Engineer | Axta Studio | Lahore** Jan 2025 – Sep 2025
- Shipped (help.terapage.ai) and (app.terapage.ai) for international researchers. Set up GitHub Actions CI/CD cutting deploy time by 60%; optimized MongoDB queries and Redis caching, improving API response times by 40%.
- Software Engineering Intern | Axta Studio | Lahore** Oct 2024 – Dec 2024
- Delivered 3 projects: two document management portals (internal.planetchs.com, external.planetchs.com) and an employee training LMS (training.terapage.ai) for company onboarding workflows.

## PROJECTS

- ContentAgent | contentagent.malahim.dev | LangGraph, LangChain, Google Gemini, Tavily, FastAPI, Next.js**
- 5-node LangGraph pipeline (Router → Search → Writer → Critic → Formatter) that autonomously researches and writes full blog posts. Uses Gemini + Tavily with real-time SSE streaming via FastAPI to a Next.js frontend. Open-sourced on GitHub.
- AI Code Reviewer | github.com/MalahimHaseeb/ai-code-reviewer | FastAPI, Google Gemini, Redis, PostgreSQL, Docker, GitHub Actions**
- Agentic GitHub PR review bot: webhook triggers FastAPI, Redis queues the job, fetches the diff, sends to Gemini for bug/security/perf analysis, posts structured review comment. Fully Dockerized with Pytest CI/CD.
- BotSpark | bot-spark.tech | Next.js, NestJS, OpenAI API, MongoDB, TypeScript**
- Multi-tenant AI chatbot SaaS: each server gets a custom bot persona with context-windowed OpenAI completions, command routing, and a shadcn/ui management dashboard.
- GemGenie | gemgenie.vercel.app | Next.js, AI, TypeScript, Document Processing, Tailwind CSS**
- No-code branded AI assistant builder SaaS — businesses upload knowledge bases and deploy multi-channel AI assistants with real-time analytics, custom personas, and zero engineering required.
- MyMindfulJournal | journal.malahim.dev | Next.js, TypeScript, NLP, Supabase, AI APIs**
- NLP-powered mental wellness platform that analyzes journal entries for sentiment and emotional patterns. AI layer surfaces personalized insights and longitudinal trend charts; full Supabase auth + real-time backend.
- WhatsApp AI Assistant | wa.me/+923284671797 | WhatsApp Cloud API, LLMs, Python, Automation, Moltbot**
- LLM-powered WhatsApp bot handling natural language note-taking, coding help, scheduling, and task automation. Acts as a persistent AI productivity layer accessible directly from WhatsApp.

## COURSES & SELF-STUDY

Stanford CS 224N: NLP with Deep Learning | Self-Directed: FastAPI, Docker, AWS, System Design, MERN, RAG, Agentic AI, MCP

## EDUCATION

BS Computer Science | University of the Punjab, Lahore | Oct 2023 – 2027 (Expected) | CGPA: 3.43 / 4.0 | 6th Semester