

Syed Mallahim Ali

AI Engineer | Enterprise AI Systems, Agentic AI & AI Automation

Email: smallahimali@gmail.com | Phone: +92 310 3001412

Portfolio: syedmallahimali.vercel.app | LinkedIn: linkedin.com/in/syedmallahimali

PROFESSIONAL SUMMARY

AI Engineer building enterprise RAG systems, agentic AI workflows, AI automation platforms, and production-ready LLM applications. Currently working with Lambda Theta as part of the ELM KSA Offshore Development Center, contributing to national-scale AI platforms, including Nusuk AI and enterprise knowledge intelligence systems. Google Cloud Certified (Associate Cloud Engineer). Since 2023, partnered with founders, SMEs, and businesses to turn ideas into scalable AI products and LLM-powered workflows across WhatsApp, Instagram, web platforms, CRMs, APIs, and backend integrations.

EXPERIENCE

Lambda Theta (ODC) | ELM KSA
AI Engineer

Karachi, Pakistan
Aug 2025 Present

- Build enterprise AI systems for ELM KSA national-scale platforms, focusing on RAG pipelines, agentic workflows, data ingestion, validation layers, and policy-driven orchestration.
- Core AI team member for **Nusuk AI**, a domain-aware knowledge intelligence platform integrating validated religious sources with platform service knowledge for Hajj and Umrah-related use cases.
- Designed and implemented retrieval and response workflows with source grounding, validation checks, policy enforcement, and governance guardrails to improve reliability and compliance.
- Collaborate with product, backend, and infrastructure teams to align AI workflows with enterprise service architecture, deployment requirements, and production constraints.

Webblications LLC
AI & Backend Developer

Remote
Sep 2024 Aug 2025

- Developed AI-powered applications, backend services, and conversational AI agents for client-facing products across multiple industries.
- Built production-ready AI agents and backend integrations using LLMs, APIs, databases, workflow automations, and third-party services.

AI Solutions Consultant
Agentic AI, AI Product Development & AI Automation

Remote
2023 Present

- Partner with founders, SMEs, and businesses to turn early-stage ideas into scalable AI-powered products, automation systems, and customer-facing workflows.
- Delivered **100+ AI solutions** across agentic AI, chatbot development, AI automation, workflow orchestration, and LLM-powered product features.

SELECTED ENTERPRISE SYSTEMS & PROJECTS

Full technical breakdown available in [Portfolio](#).

Nusuk AI: AI knowledge platform for Hajj and Umrah-related use cases, combining validated religious knowledge with platform service information.

- Implemented domain-specific ingestion and hybrid retrieval pipelines for validated religious and service knowledge, enabling source-grounded responses for Hajj and Umrah use cases.
- Built validation workflows for religious source checking, compliance-aware AI behavior, policy guardrails, evaluation, and reliable response orchestration.
- Designed AI workflows balancing user experience, religious sensitivity, operational accuracy, traceability, and platform governance.

RAG-as-a-Service Platform: Microservice-based multi-tenant RAG platform.

- Developed knowledge microservice for tenant-level knowledge bases, vector stores, collection management, scalable querying, and Milvus-based retrieval pipelines.
- Built LangGraph-based RAG workflow microservice with Kafka event flows, queue processing, streaming responses, history/context management, guardrails, and response validation.

AI Diamond Marketplace: AI-powered diamond and jewelry commerce platform with web, WhatsApp, seller dashboard, admin panel, and personalized showroom experiences.

- Built agentic AI workflows for product discovery, GIA certificate-based diamond design, jewelry customization, voice queries, listings, and transaction assistance.
- Implemented WhatsApp agent and backend journeys enabling seller uploads, AI-filtered recommendations, and customer jewelry generation/editing with 360-degree previews.

BLU: Agentic AI-powered marketing analyst that analyzes websites and generates SEO and social media playbooks.

- Built multi-agent workflows for business analysis, competitor research, social media presence review, homepage/landing page evaluation, and SEO improvement recommendations.
- Generated actionable insights covering website positioning, content gaps, keyword opportunities, social visibility, and conversion journey improvements.

EDUCATION

NED University of Engineering & Technology	Karachi, Pakistan
Master of Science in Artificial Intelligence	Jan 2026 Jul 2028 In Progress
NED University of Engineering & Technology	Karachi, Pakistan
Bachelor of Engineering in Computer & Information Systems Engineering	2021 2025

CERTIFICATIONS

Google Cloud Certified Associate Cloud Engineer	Issued Jul 2026 Valid to Jul 2029
Compute, storage, networking, IAM, GKE, Infrastructure as Code (Terraform), and production operations on Google Cloud.	
IBM AI Product Management series Coursera	2025

CORE TECHNICAL EXPERTISE

AI Architecture: Enterprise AI Architecture, Agentic AI Systems, RAG Architecture, Multi-Tenant AI Platforms

LLM & RAG Systems: Generative AI, Enterprise LLM Integration, Prompt Engineering, LLM Evaluation, Fine-tuning, Milvus, Vector Stores, Ingestion & Retrieval Pipelines, RAG Evaluation, Source Grounding, Context Management, Graph RAG

AI Orchestration & Automation: LangGraph, CrewAI, ADK, n8n, Zapier, UChat, Workflow Orchestration, AI Automation

Backend & Integrations: FastAPI, Flask, Node.js, REST APIs, API Integrations, CRMs, Third-party Integrations

Responsible AI & Governance: Model Armor, Policy Guardrails, Validation Layers, Traceability, Compliance-Aware AI

Cloud, MLOps & DevOps: Google Cloud, Vertex AI, Cloud Run, GKE, Kubernetes, Terraform, Pub/Sub, IAM, VPC