Nisar Ahmed

Agentic Health-Tech Architect | Solutions Orchestrator

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Bangalore, India | Open to Global Mobility

Technical Expertise

Agentic Intelligence

Multi-Agent Orchestration, Semantic Routing, Agentic RAG, LangChain, Python (Scalable), Rust Engine

Enterprise Architecture

Universal Engineering, Real-World Evidence (RWE), Microservices, Cloud (GCP/Azure), CI/CD/IaC

Governance & Compliance

ABDM 2.0, DPDP Act Rule 8.3, HL7 FHIR R5, Clinical Reliability Shield, AES-256

Professional Summary

Senior Health-Tech Architect specialized in **Agentic Solutions** and **Universal Health Intelligence** with 10+ years of clinical domain experience. I bridge the gap between fragmented "Dark Data" and enterprise-grade intelligence by architecting **ORCHESTRA™**, a multi-agent system designed for Pharma MNCs, Insurance, and Hospitals. Expert in orchestrating **DPDP-compliant** and **ABDM-ready** agentic workflows that transform clinical logic into high-integrity infrastructure.

Hero Role: Universal Health Intelligence

Lead Architect | Project ORCHESTRA™ | OmniIngest Systems Nov 2025 - Present

"Building the 'Google' for Reliable Healthcare Data—Universal Intelligence for the Global Health Economy."

The Orchestrator: Architecting **ORCHESTRA™**, a multi-agent platform serving Pharma (RWE), Insurance (Fraud Audit), and Hospitals (Clinical Reliability) to rescue clinical "Dark Data."

The Ingestion Engine (Rust): Engineered **OmniIngest**, a high-performance engine transforming unstructured medical records into type-safe **HL7 FHIR R5** streams.

Agentic RAG & Routing: Built a **Semantic Router** and RAG pipeline to cross-verify clinical workflows against **Medical Law (IIT-KGP)** and **ABDM 2.0** governance.

The Safety Shield (DPDP): Developed an autonomous "Kill Switch" for **DPDP Act Rule 8.3**, enabling cryptographic data shredding across distributed agent networks.

Career Evolution (2012–2025)

Clinical Domain Expert & Systems Orchestrator | R K Nursing Home May 2012 - Oct 2025 Certified Operations Manager Certified Data Analyst

Systems Orchestration & Leadership: (Operations Manager) Directed end-to-end hospital logistics for 8+ years, optimizing resource allocation and patient flow. Reduced operational bottlenecks by 30% through strategic workflow redesign.

Compliance Architecture: (Data Analyst) Standardized legacy patient records and audited clinical data for regulatory compliance. Architected the data logic that identified critical "Ingestion Failures" blocking national scale interoperability (ABDM).

Strategic Domain Intelligence: Spent 5 years studying "ground truth" unstructured medical data in resource-constrained environments to build resilient, fault-tolerant tech solutions.

Strategic Career Milestones

Operations Manager | K Arogya Advisory Services Dec 2018 - Aug 2020

Multi-Center Implementation: Led data-driven clinical workflow deployments across major institutions (KG Hospital, Ramaiah, SRM, etc.).

Customer Care Executive | Cloudnine Group of Hospitals Nov 2015 - Nov 2016

Patient Relations: Managed critical healthcare communication, gaining deep insights into patient-side friction points.

Engineering Portfolio

OmniIngest Identity (GitHub): Full-stack repository demonstrating the "Safety Rails" architecture and agent-orchestrated remediation engine.

The "5-Year Code" Initiative: Sustained technical growth through daily architectural reviews and code commits.

Education & Certifications

Bachelor of Computer Application (BCA) | University of Mysore 2023 - 2026 (Pursuing)

Foundational degree focusing on core Computer Applications, Database Management, and Systems Analysis—essential skills for a techno-legal specialist building compliance tools.

Professional Certifications

Data Science & AI Certification - Learnbay & IBM (Credential ID: 973125b) | *Module Completed: Python | Pursuing: IBM Capstone (GenAI & DS)*

HIPAA Training Certification - HIPAA TRAINING.US (ID: HIPAA-0022256) | *Ensures Python-based PII masking logic adheres to technical safeguards.*

DPDP Act v1.1 Certification - Adv. Prashant Mali (AI Governance, Legal Law)

Continuous Learning (In Progress)

Generative AI Developer - IIT Guwahati (GenAI, ML, AI Ethics)

Medical Law Certification - IIT Kharagpur (Bioethics & Reg. Compliance)

Healthcare Data Quality & Governance - Coursera (UC Davis)