

ANKITH KR

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PROFESSIONAL SUMMARY

AI Engineer focused on agentic AI systems and enterprise automation, building autonomous LLM-driven workflows that read, reason, and act on ERP data. Experienced in deploying production-grade GenAI solutions with SAP integration, RAG architectures, and event-driven pipelines to eliminate manual operations and deliver real business impact.

PROFESSIONAL EXPERIENCE

AI and Analytics Lead - *Infosight Software and Consulting Services* | Jun 2024 – Present

- Architected enterprise-grade agentic AI systems integrating LLMs with SAP ERP to automate sales orders, invoices, and procurement workflows, eliminating manual data entry
- Built Ale-x, an AI data intelligence agent enabling natural language querying of SAP datasets using schema-aware SQL generation, RAG, and dynamic financial visualizations
- Delivered production headless GenAI automation for DBMSC Steel, processing customer purchase orders via event-driven n8n pipelines and SAP OData write operations
- Developed Clara, a voice-enabled agentic HR assistant leveraging MCP for autonomous resume screening, interview scheduling, offer generation, and HR self-service Q&A
- Designed a multi-channel AI ingestion layer (Email, WhatsApp, Teams) converting unstructured messages into validated, straight-through ERP transactions
- Implemented Ekta, a conversational AI companion with graph-based long-term memory and voice synthesis for personalized, context-aware interactions

Tech Stack: LLMs (Gemini), Agentic AI (MCP), SAP OData, RAG, n8n, Python, API Integrations, Voice AI, Graph Databases

TECHNICAL SKILLS

- Programming Languages: Python, SQL
- AI/ML Frameworks & Tools: LLMs (Gemini), Agentic AI (MCP), RAG, LangChain, Prompt Engineering, Voice AI
- Databases & Storage: MongoDB, Vector Databases (Pinecone, Chroma), Graph Databases, SQLite
- Cloud & DevOps: Azure, Docker, Git
- Tools & Platforms: n8n, Zapier, SAP (OData, RFC), REST API
- ERP & Integration: SAP OData, SAP RFC, Event-Driven Workflows, Multi-channel Automation, ZOHO People
- Packages: FastAPI, Flask

EDUCATION

Bachelor of Engineering in Computer Science

Malnad College of Engineering | Jul 2019 – Dec 2023

Intermediate (PCMC)

Sharada PU College | Jun 2017 – May 2019

Matriculation

Sri Siddaganga School, Davangere | Apr 2016 – Apr 2017

KEY PROJECTS

Ale-x — Enterprise Data Intelligence Agent(SAP Integration) - [Workflow diagram](#)

- Built an **enterprise AI agent** integrating **SAP (OData)** to answer natural language business and finance queries with **tables and dynamic visualizations**.
- Designed an **LLM-driven, schema-aware SQL generation pipeline**, converting user intent into executable queries over SAP-sourced datasets.
- Implemented a **controlled data orchestration flow**: SAP OData ingestion → schema inference → LLM query synthesis → dataframe execution → formatted output.
- Developed a **Finance Agent using RAG**, combining ERP financial data with annual reports to answer analytical queries such as CAGR, profitability impact, and cost optimization.

ERP Process Automation — Headless AI Agent (SAP | Internal) - [Workflow diagram](#)

- Designed a **headless, GenAI-driven ERP automation layer** to eliminate manual SAP data entry for sales orders, purchase orders, invoices, and requisitions.
- Implemented **multi-channel ingestion** (Email, WhatsApp, Google Chat, Microsoft Teams) to convert unstructured messages into structured ERP transactions.
- Orchestrated **event-driven workflows using n8n**, handling data extraction, validation, and SAP **OData write operations** in near real time.
- Enabled **straight-through processing**, reducing human dependency while maintaining deterministic validation and execution.

DBMSC Steel — Headless Sales order Automation (Client Deployment)

- Delivered a **production-grade, headless GenAI automation system** for DBMSC Steel to process incoming customer purchase orders and autonomously create **SAP sales orders**.
- Built **event-driven n8n pipelines** to ingest purchase orders, extract structured data, enforce business rules, and execute SAP **OData posting**.
- Eliminated manual order entry by enabling **near real-time straight-through processing** with high accuracy.

Clara — Agentic HR Automation Assistant (Internal) - [Workflow diagram](#)

- Built a **voice-enabled, agentic HR assistant** leveraging **MCP** to autonomously execute end-to-end HR workflows.
- Implemented **resume ingestion and JD-based shortlisting**, analyzing candidate profiles stored in Drive using LLM-driven evaluation.
- Automated HR operations including **interview scheduling (Calendar API)**, offer letter generation with mandatory field validation, and onboarding document orchestration.
- Developed a **document-grounded HR self-service Q&A layer** for policies, payroll, and offer-related queries.

Ekta — Memory-Driven Conversational AI Companion

- Developed a **voice-enabled conversational AI companion with persistent, graph-based long-term memory**.
- Implemented **context modeling and memory retrieval logic**, allowing responses to evolve based on user history and interaction patterns.
- Integrated **speech-to-voice pipelines using ElevenLabs**, enabling natural, human-like conversational experiences.

AI-Powered HR Automation Chatbot (Zoho People Integration)

- Developed an **LLM-driven HR automation chatbot** integrating **Zoho People APIs** to handle attendance, leave, and timesheet workflows via **Google Chat**.
- Implemented **intent parsing and secure API orchestration**, with structured response formatting and enterprise-grade validation.