

JAVADI SUNIL

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SUMMARY

AI & Data professional with **6+ years** of enterprise experience across data engineering, SQL, ETL, automation, and Generative AI. Technical Lead – Data & AI at Coforge with hands-on experience building **LLM-based POCs** for Text-to-SQL, RAG, AI Agents, and AI-assisted SQL workflows. Strong foundation in **Python, FastAPI, SQL Server, SSIS, and enterprise data systems**.

SKILLS

AI / GENAI

LLMs • RAG • Embeddings
Vector Search • Prompt Engineering
AI Agents • Tool Calling
Text-to-SQL • MCP

AI ENGINEERING

Python • FastAPI • REST APIs
LLM Workflows • SQL Validation

DATA ENGINEERING

SQL Server • SSIS • MarkitEDM
ETL • Data Pipelines
Data Warehousing

BI

Power BI • DAX • SSRS
Power Query

TOOLS

Git • Jira • Confluence

EDUCATION

KAKATIYA UNIVERSITY

B.TECH -- COMPUTER SCIENCE &
ENGINEERING

2020 | Warangal, India

CERTIFICATIONS

Advanced Certification in
Data Science & AI – IITM
Generative AI Hands-on
Certification

LINKS

GitHub / JavadiSunil
LinkedIn / JavadiSunil
Portfolio

EXPERIENCE

COFORGE | TECHNICAL LEAD -- DATA & AI

Oct 2025 -- Present | Hyderabad, India

- Lead enterprise **Data & AI initiatives**, combining SQL/ETL engineering with practical Generative AI use cases.
- Implement **MarkitEDM** solutions and optimize SQL/data workflows supporting enterprise processing.
- Develop and evaluate **GenAI POCs** covering Text-to-SQL, AI-assisted SQL optimization, and workflow automation.

VERTAFORE | MSBI DEVELOPER

Nov 2020 -- Oct 2025 | Hyderabad, India

- Reduced manual data-processing effort by **80%** through SSIS and Python automation, improving ETL efficiency and operational productivity.
- Reduced ETL processing time by **30%** through SQL tuning, indexing, partitioning, and parallel data-flow optimization.
- Developed **30+ SSIS packages** and delivered **10+ SSRS reports** across SQL Server, Excel, XML, and flat-file sources.

SELECTED AI / GENAI POCs

TEXT-TO-SQL ASSISTANT | PYTHON, FASTAPI, LLM, SQL SERVER

- Built a **schema-aware Text-to-SQL POC** translating natural-language business questions into SQL using an LLM.
- Designed schema retrieval and prompt construction workflows to provide relevant database context for accurate SQL generation.
- Implemented basic SQL validation and explored controlled query execution for identifying invalid or potentially unsafe generated SQL.

RAG KNOWLEDGE ASSISTANT | PYTHON, RAG, EMBEDDINGS, VECTOR SEARCH

- Built a **RAG knowledge-assistant POC** using Confluence content, embeddings, vector retrieval, and LLMs.
- Implemented document ingestion, cleaning, chunking, embedding generation, retrieval, and grounded response generation.
- Explored metadata-aware retrieval and context selection to improve relevance and reduce unsupported LLM responses.

JIRA AI AGENT | PYTHON, LLM, REST APIs, TOOL CALLING

- Developed an **AI-agent POC** integrating Jira REST APIs and LLM-based tool calling for natural-language interaction.
- Designed structured tools for retrieving and interacting with Jira information based on user intent.
- Explored multi-step agent workflows where LLM-generated tool requests invoke APIs and use returned results to generate responses.