

ANURUTH SREE VENKATACHALAPATHY

Power BI, SQL, Python, Data Warehousing, Gen AI

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Professional Summary

Data Scientist with 4 years of experience in Telecom and Enterprise domains, specializing in **Power BI, SQL, Python**, and **Azure AI Foundry**. Skilled in building scalable ETL pipelines, interactive dashboards, and **Generative AI** and **Agentic AI** integrations (**LangChain, LangGraph, RAG, Semantic Kernel, MCP**). Skilled in integrating Generative AI with enterprise data platforms (**Azure AI Foundry, Data Factory, AI Search**, and **Data Lake Gen2**) to enhance automation and contextual intelligence.

Technical Skills

Programming: Python, TypeScript
Data Analytics & BI: Power BI (DAX, Power Query, Power BI Service)
Databases: Oracle, MySQL, PostgreSQL
Cloud: Azure AI Foundry
ML/AI Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib
Generative AI: LangChain, LangGraph, Semantic Kernel, MCP, AutoGen, Microsoft Agent Framework
Concepts: RAG, Agentic AI, Prompt Engineering, NLP, Data Warehousing, EDA

Professional Experience

Infosys Limited **09/2024 – Present**
Bengaluru, IN
Technology Analyst

Project: Agentic AI MVP | **Client:** Microsoft Corporation | **Domain:** Agentic AI & OCR

- Designed and implemented a **Retrieval-Augmented Generation (RAG)** pipeline to process **SAP finance documents** (PDF and scanned PNG invoices), enabling accurate, context-aware information extraction and validation.
- Implemented **semantic chunking** techniques to invoice documents to embed, preserving logical and financial context, and indexed the embeddings in **Azure AI Search** to enable reliable, context-aware retrieval for AI agents.
- Applied **Azure AI Document Intelligence (OCR)** to extract key invoice fields such as vendor details, invoice numbers, dates, amounts, and line items from scanned and digital documents.
- Converted OCR outputs into **structured JSON representations**, forming a reliable, machine-consumable layer for business decisioning, validation, and SAP automation workflows.
- Integrated retrieved document content into the **RAG** pipeline, ensuring that AI reasoning and responses were grounded in source invoices, reducing hallucinations and improving reliability.
- Utilized **Semantic Kernel** for agent orchestration, memory management, and multi-step workflows, enabling context-aware reasoning across retrieval, extraction, and validation stages.

Accenture Solutions Private Limited **08/2021 – 08/2024**
Bengaluru, IN
Data Engineering Analyst

Project: GenWizard | **Client:** Innovation Hub | **Domain:** Enterprise BI & GenAI

- Led AI-based enterprise integration across SAP, Oracle, and Workday using **Generative AI**.
- Designed workflows with **LangChain** prompt chaining for enterprise task automation.
- Deployed **Azure OpenAI (GPT-3.5/4/4o)** for scalable production use.
- Managed **Redis vector databases** for semantic search and AI-driven retrieval.
- Built Power BI dashboards for financial planning and resource allocation.

Project: Panorama Dashboard | **Domain:** Business Intelligence

- Automated **data extraction** and **cleaning** of raw .xlsx datasets for Power BI.
- Built interactive dashboards with slicers, drill-down, and chart toggling.
- Embedded **Chart.js** visualizations and **chatbot interface** for conversational insights utilizing keyword match for chart generation.
- Improved report usability and responsiveness, reducing issue resolution time.

Education

BITS Pilani – WILP - Master of Technology, Data Science and Engineering **2024 - Present**
Pilani, IN
CGPA – 7.0

Easwari Engineering College - Bachelor of Engineering, Electronics and Communication **2017 – 2021**
Chennai, IN
CGPA – 8.2

Awards & Certification

- Microsoft Certified **Azure AI Engineer Associate**. [Show credential](#)
- Wall of Fame Award** – Accenture (FY2024). [Show credential](#)
- Rookie Rockstar of the Year** – Accenture (2022). [Show credential](#)
- Quarterfinalist** – in AICTE, Texas Instruments IICDC 2019, anchored by IIM Bangalore. [Show credential](#)