SANJANA MANIMARAN

AI Analyst | GenAI Workflow Automation | Agentic AI

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Visa Status: Visit Visa (UAE) | **Availability:** Immediate joiner, ready to transition to an employment visa

PROFESSIONAL SUMMARY

AI professional with 2 years of experience in developing **Generative AI, LLM, RAG, and Agentic AI solutions** for enterprise use cases. Hands-on experience with **Python, LangChain, LangGraph, GPT, Claude, Gemini, vector databases, APIs, AWS, and Azure**. Experienced in building **AI-driven document automation, knowledge management, contract analysis, and intelligent workflow solutions** to solve real-world business problems.

EXPERIENCE

AI Analyst — ZEB / AVASOFT , Chennai, India *October 2024 – August 2026*

Zeb Wiki — AI-Powered Workflow for Organizational Knowledge Adoption

Technologies: Python, LangChain Agents, AgentCore, Claude Sonnet 4.5, PostgreSQL, AWS S3, RAG, Vector Search

- Designed and built a self-service, searchable wiki to replace a manual, scattered document-review process, using an agentic pipeline with entity extraction and schema management — reduced time spent locating past project documentation by 90%.
- Developed and deployed the RAG retrieval and schema layer that indexes knowledge across 500+ past projects into a single searchable source.

NFI Redlining — AI-Powered Contract Review for Legal Teams (POC)

Technologies: Python, GPT, RAG, LangChain, PostgreSQL, FastAPI, Microsoft Word Track Changes automation

- Built a RAG-based system that reviews vendor and customer contracts for a logistics client, retrieving relevant company policy sections from PostgreSQL and using GPT to flag discrepancies between contract clauses and policy.
- Automated Microsoft Word Track Changes and comments to strike out non-compliant clauses and add suggested corrections, so legal teams can review the output directly in the document and spend less manual effort on it.
- Developed the end-to-end pipeline (API-based document submission, chunking, similarity search, LLM analysis) and exposed it through a chatbot/API interface.

Apollo — Standardizing SOW/LOE Drafting Across Sales & Technical Teams

Technologies: GPT, RAG, Python, REST APIs, Jinja2, Microsoft Word, Excel

- Developed and deployed API-based AI tools that retrieve organizational context through RAG, generate SOW/LOE content with GPT, and auto-populate Word templates — reduced drafting and formatting time from 1-2 days to approximately one hour, an 85% reduction in manual effort for sales and technical teams.

SKILLS

Programming Languages: Python, SQL

GenAI & Agents: LLMs, GPT, Claude, Prompt Engineering, Agentic AI, Strands Agents, LangChain Agents, RAG, Multi-Agent Systems, Model Context Protocol (MCP), Model Evaluation, Cost/Latency Optimization, Data Pipelines

Frameworks & Libraries: LangChain, LangGraph, Strands, AgentCore, Jinja2, Hugging Face

Backend: FastAPI, REST APIs, Workflow Orchestration, API Integration

Databases: PostgreSQL, PostgreSQL Vector Search, DocumentDB, Databricks, Vector Databases

Cloud & DevOps: AWS, Microsoft Azure, Docker, Azure Pipelines, CI/CD, Git

EDUCATION

M.Tech — Integrated Software Engineering | Vellore Institute of Technology | CGPA: 7.79/10 | July 2019 – May 2024

CERTIFICATIONS

- Databricks Certified Machine Learning Professional — Databricks
- Microsoft Azure Fundamentals (AZ-900)
- Introduction to Software Engineering — IBM