




Gangireddy Nallagonda

AI/ML/Agentic AI | **Databases** Engineering | Solution Architect

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Core Skills :

- **Agentic AI ChatBot with MS Fabric**
- **Azure,GCP cloud**
- Generative AI & LLMs: OpenAI, Azure OpenAI, Gemini, LangChain, RAG, Prompt Engineering, LLM Fine-Tuning
- ML & NLP: Text Classification, Summarization, Translation, Sentiment, Face/Emotion Detection
- LLMops / Pipelines: Vector DBs (FAISS, Pinecone), Embedding APIs, Airflow, FastAPI, Streamlit, Docker
- AI Tools: RASA, Hugging Face, Transformers, GPT/BERT, spaCy, TensorFlow, Seaborn, Matplotlib
- Cloud & Dev: GCP Vertex AI, AWS Lambda, Terraform, ansible, Kubernetes, Prometheus, Percona, PostgreSQL
- Product/Leadership: AI Roadmap Design, Patent Contributor, Cross-team Collaboration, Infra + AI Fusion Design.
- Text-2-SQL LLM Using OpenAI and AWS
- Building and evaluation (RAG),
- Experience with front-end frameworks and libraries (e.g., React, flask, Streamlet, Django)
- Strong understanding of RESTful APIs and web services

Professional Summary

With over six years at Dell Technologies, I specialize in architecting and deploying enterprise-grade Generative AI and automation solutions, alongside PostgreSQL database engineering and observability systems. My work includes building AI-driven monitoring platforms, intelligent chatbots, and self-healing systems, leveraging technologies such as OpenAI, Azure OpenAI, LangChain, and vector databases to streamline NLP workflows.

Key innovations include a Kubernetes-based PostgreSQL Observability Platform and intelligent data pipelines that enhance system reliability, scalability, and operational efficiency. Through a collaborative and impact-driven approach, I focus on delivering transformative AI solutions that align with enterprise goals and accelerate digital innovation.

Work experience:

Dell EMC – Advisor - Data science AI/ML | Generative AI Engineering |

Solution Architect including Database engineering development.

It included Kubernetes and Ansible and Development and Database Engineering

- Spearheaded AI monitoring and automation solutions integrating Gen-AI
- Developed LLMops pipelines using Azure OpenAI, Lang Chain, and embedding.
- Led cross-functional Gen-AI projects and contributed to patent submissions.
- Postgres migration into Kubernetes with Prometheus monitoring with Thanos
- Postgres Automation solutions and development
 - ◇ KOB Platform – Built Kubernetes-PostgreSQL Observability platform integrating Prometheus, Thanos, Percona, and Grafana.
 - ◇ PostgreSQL Monitoring – Architected automated PostgreSQL monitoring with Percona, implemented pg_up, custom metrics, and alerts.
 - ◇ AI Resume Analyzer – Designed Gen-AI pipeline for resume-job match

- Design and develop web applications, implement database models, and create interactive user interfaces
- Worked with different tools like Blade logic Server Automation, Blade Logic Network Automation tool, Splunk Observability,
- Docker, Kubernetes, OpenShift, and Serverless deployment, Kubernetes on Bear Metal

Education:

- 🎓 PG Diploma in ataScience, NASSCOM | 2024
- 🎓 M.Sc. (PG Diploma in IT), Kuvempu University | 2012
- 🎓 B.Sc. (Statistics, Computers, Math), SV University | 2001

Languages

English, Hindi, Kannada,
Arabic ,Telugu

Certifications

- Site Reliability Engineer – DevOps Institute
- Red Hat OpenShift Certified | RHCE 7 | OpenStack
- Google IT Automation with Python
- Deep Learning – JainUniversity
- Design Thinking & RCA
- Advanced Methods in Data Science and Big Data Analytics

analysis using OpenAI, LangChain, Streamlit, Azure Functions.

- ◇ Gen-AI Apps – Delivered tools for text classification, summarization,

chatbot integration using RAG and LangChain.

- ◇ Self-Healing ITOPS Tools – Developed Python + Ansible based automation

for proactive issue resolution and alert reduction.

SME Cloud (TSS)-IBM India Ltd | Bangalore, IN | Feb 2017 - Dec 2018

- Expertise in Cloud Platforms and Automation:
- Proficient in Ansible Playbooks and AWS with Terraform.
- Automated infrastructure using Ansible, Terraform, and AWS Cloud.
- Managed CI/CD pipelines and led cloud migrations for global clients.

Associate IT Consultant - Unix Admin with VMware

ITC Infotech India Ltd | Bangalore, IN | Jul 2015 - Feb 2017

- Delivered enterprise Linux/VMware support and automation scripting.
- Supported mission-critical systems and led RCA for outages.

Penna Cement – Assistant Engineer, IT Ops (Dec 2007 – Jan 2015)

- Managed data center operations, SAP support, and IT asset lifecycle.
- Implemented ITIL processes and provided infrastructure support.

Github link : <https://github.com/nallagonduravi>

Gitlab : <https://gitlab.com/nallagonduravi>

Other research and known technologies: Google Cloud : Vertex AI , Open VINO

Disclaimer

I hereby declare that all the information stated above is true to the best of my knowledge.

Name: **Gangireddy Nallagonduravi**