GOUTHAMI NADUPURI

+1 (341) 356-3732 | gouthaminadupuri25@gmail.com | [LinkedIn](#) | [GitHub](#)

TECHNICAL SKILLS

- **AI & Machine Learning:** Deep Learning,TensorFlow, PyTorch, LLMs, RAG, NLP, Transformers, RL
- **ML Engineering:** Feature Engineering, MLflow, Model Registry, Experiment Tracking, MLOps
- **Generative AI:** Prompt Engineering, Image Generation, Text-to-Image Models
- **Deployment:** FastAPI, Docker, Cloud Run, Streamlit, JSON, API Integration
- **Programming:** C++, Python, SQL, TypeScript, JavaScript, React, Node.js, HTML5, CSS3, Tailwind
- **Cloud:** Google Vertex AI, AWS, GCP, BigQuery
- **Data:** ETL Pipelines, Data Wrangling, Feature Pipelines, Kafka, PySpark, Data Quality, Data Modeling
- **Tools:** GitHub, Airflow, Postman, Jupyter, Jira, Atlassian, PostgreSQL

EXPERIENCE

Data Quality Analyst | Vitech Systems Group | Hyderabad, India | Jan 2020 – Jun 2023
- Built Python/SQL pipelines for data ingestion, validation, and feature preparation supporting ML-based actuarial and risk workflows.
- Automated anomaly detection rules and reconciliation processes across multi-million–record datasets.
- Developed reusable preprocessing utilities improving ML dataset readiness and reducing manual validation by 60%.
- Collaborated with analytics teams to deliver ML-ready datasets for modeling and predictive reporting.

Senior Analyst | Wipro Technologies | Hyderabad, India | Mar 2018 – Nov 2019
- Engineered automated validation scripts for Google merchant datasets enabling fraud-pattern analysis and anomaly detection.
- Prepared structured datasets for ML scoring pipelines and experimentation.
- Improved productivity by designing reusable preprocessing templates for analytics teams.

Data Associate | Accenture | Hyderabad, India | Aug 2016 – Dec 2017
- Developed Python pipelines for financial data preparation, feature extraction, and compliance analytics.
- Built automated reconciliation workflows supporting audit prediction modeling.
- Generated ML-ready datasets by analyzing patterns and identifying anomalies.

PROJECTS

AI-Powered Cyber Analytics: Built an end-to-end RAG-powered cyber analytics tool using embeddings, semantic retrieval, and LLM-based incident insights.

Smart Traffic Signal Control: Designed RL agent for optimizing traffic flow using multi-agent state-action modeling.

Fake News Detection: Developed BERT-tiny and TF-IDF models with a full NLP preprocessing + evaluation pipeline.

Time-Series Forecasting: Built hybrid forecasting models with walk-forward validation and automated ETL ingestion.

EDUCATION

University of the Pacific, San Francisco, CA — M.S. Data Science (Aug 2023 – May 2025)

GITAM University, Visakhapatnam, India — B.Tech. Computer Science & Engineering (Jul 2008 – May 2012)

CREDENTIALS & VOLUNTEERING

- AWS Cloud Practitioner Essentials
- Google Cloud Certification: Machine Learning Engineer
- IBM RAG and Agentic AI
- GDG Organizer- Organized developer events, coordinated community activities, and developer workshops.