

GOUTHAMI NADUPURI

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TECHNICAL SKILLS

Programming: Python, C++, SQL, JavaScript, Data Structures, Algorithms, SDLC

Machine Learning & AI: Supervised/Unsupervised Learning, Deep Learning (TensorFlow, PyTorch, Keras), NLP, LLMs, RAG, Predictive Modeling, Model Evaluation (RMSE, MAPE, F1), Feature Engineering

Data Engineering & Cloud: ETL Development, Apache Spark, Apache Kafka, AWS, dbt, Data Modeling (Star Schema, SCD, Temporal), CI/CD, Docker, Kubernetes, BigQuery, Lakehouse

Data Visualization & Analytics: Tableau, Power BI, Looker, Matplotlib, Seaborn, Plotly

Statistical Analysis: Hypothesis Testing, Regression, A/B Testing, Bayesian Inference, NumPy, SciPy, Pandas

Tools & Platforms: Jupyter, Google Colab, VS Code, PyCharm, Git, Jira, Confluence, Postman, Microsoft Project

EXPERIENCE

Data Quality Analyst | Vitech Systems Group | Hyderabad, India | Jan 2020 – Jun 2023

- Extracted, validated, and analyzed large pension and insurance datasets.
- Conducted data quality checks, root cause analysis, and developed SQL models and dashboards.
- Automated reporting with Python and SQL, improving accuracy of business-critical data.

Senior Analyst | Wipro Technologies | Hyderabad, India | Mar 2018 – Nov 2019

- Conducted data analysis on Google Shopping merchant data for compliance and fraud detection.
- Automated reporting workflows and trained junior analysts in analytics and visualization.
- Delivered insights improving customer trust and user experience.

Data Associate | Accenture | Hyderabad, India | Aug 2016 – Dec 2017

- Processed Uber Maps geospatial datasets to enhance route accuracy and ETA predictions.
- Built Python scripts for data cleaning, transformations, and visualization of traffic metrics.

PROJECTS

- Customer Churn Prediction – Built ML models to predict churn and developed dashboards for retention insights.
- Fake News Detection – Developed NLP pipeline with TF-IDF and BERT-tiny, achieving high accuracy.
- E-Commerce Fraud Detection – Designed real-time fraud pipeline using Apache Kafka and ML for anomaly detection.
- Time Series Forecasting – Implemented ARIMA and Prophet for sales prediction and trend decomposition.

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
- Python Programming Masterclass
- IBM RAG and Agentic AI
- Volunteer: Google Developers Group (GDG) — Event organization, AI knowledge-sharing