

GOUTHAMI NADUPURI

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EXPERIENCE

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| Data Quality Analyst Vitech Systems Group | Jan 2020 – Jun 2022 Hyderabad, India |
| <ul style="list-style-type: none">Developed data validation pipelines using Python and SQL to support clean, reliable pension and healthcare analytics.Built models to improve actuarial reports, validate claims, and forecast policy outcomes in insurance and pension sectors.Designed ETL workflows to centralize data from legacy systems for improved access and reporting.Collaborated in Agile teams to resolve data quality issues through profiling and root cause analysis.Partnered with stakeholders to define data logic for benefits calculation, claims handling, and eligibility checks. | |
| Senior Data Analyst Wipro Technologies | Jan 2018 – Nov 2019 Hyderabad, India |
| <ul style="list-style-type: none">Conducted exploratory data analysis to uncover user behavior trends, abandoned cart patterns, and sales performance.Created dynamic dashboards in Tableau and Power BI to monitor conversion funnels and customer segmentation.Automated ETL pipelines with Python and SQL to streamline processing of order, session, and clickstream data.Used A/B testing and KPI analysis to measure the impact of promotional campaigns and feature releases.Mentored junior analysts in building dashboards, writing optimized queries, and interpreting user engagement metrics. | |
| Data Associate Accenture Solutions Pvt Ltd | Aug 2016 – Dec 2017 Hyderabad, India |
| <ul style="list-style-type: none">Built data pipelines to process and analyze large-scale financial transaction data for reporting and insights.Designed dashboards to monitor revenue trends, customer churn, and key financial KPIs.Developed predictive models to assess credit risk and support loan decision-making.Conducted A/B testing to evaluate the impact of pricing changes on customer retention and profitability. | |

PROJECTS

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| Analysis of U.S. Consumer Mortgage Complaints Data Analysis |
| <ul style="list-style-type: none">Conducted in-depth analysis of consumer mortgage complaint data to uncover recurring issues and pain points.Applied regression techniques to explore response time patterns and recommend improvements.Identified insights to support customer service enhancements and policy adjustments. |
| Fake News Detection Natural Language Processing (NLP) |
| <ul style="list-style-type: none">Developed an end-to-end NLP pipeline to classify news articles and detect misinformation.Implemented multiple algorithms, including Logistic Regression, Random Forest, and BERT-tiny, to compare performance.Visualized model evaluation metrics using Python libraries to enhance interpretability and reporting. |
| Customer Churn Prediction Machine Learning |
| <ul style="list-style-type: none">Developed a predictive model using the Telco Customer Churn dataset to identify at-risk customers and inform retention strategies.Performed end-to-end analysis following the CRISP-DM framework, including data cleaning, EDA, feature engineering, and modeling.Applied logistic regression, random forest, and Lasso for churn prediction; handled class imbalance with SMOTE and performed hyperparameter tuning.Created actionable insights and recommendations to improve customer retention based on behavioral and service usage patterns. |
| E-Commerce Fraud Detection System Data Engineering |
| <ul style="list-style-type: none">Designed and implemented a real-time fraud detection pipeline using Apache Kafka for data streaming.Integrated machine learning models with ETL workflows to support fraud risk scoring and alerting.Built interactive dashboards using Kibana for anomaly detection and transaction monitoring. |

SKILLS

Programming Languages: Python, R, SQL, Core Java, Rest API, HTML, CSS
Data Analysis & Visualization: Tableau, Power BI, Excel, Pandas, Matplotlib, Seaborn, Plotly
Machine Learning & AI: Supervised and Unsupervised, Scikit-learn, TensorFlow, NLP, LLM, PyTorch
Data Engineering & Cloud: ETL, Apache Kafka, NoSQL, AWS, CI/CD, Docker, Kubernetes
Tools & Platforms: Jupyter Notebook, Colab, VS Code, PyCharm, Git, Postman, Jira, Confluence

EDUCATION

- M.S. in Data Science – University of the Pacific, San Francisco, CA (2023 – 2025)
- B.Tech. in Computer Science – GITAM University, India (2008 – 2012)