



Ganateja Thurpati

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SUMMARY

Analytical and detail-oriented Data Analyst with 5+ years of experience driving data-backed decision-making across healthcare, finance, and tech domains. Expert in architecting scalable ETL workflows and automating analytics solutions using AWS, Azure, GCP, and Snowflake. Proven track record of improving forecasting accuracy by 15%, enhancing pipeline efficiency by 30%, and developing 15+ interactive dashboards to boost executive-level reporting.

SKILLS SET

Analytics & Programming:	Python, R, SQL, SAS, Java, Node.js, Alteryx
Packages:	NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, TensorFlow, Seaborn, PyTorch
Databases:	SQL Server, PostgreSQL, MySQL, Oracle, Snowflake, Workday
Data Management:	ETL workflows, Data Validation, QA/QC workflows, Google Analytics
Visualization	Power BI, Tableau, Excel, Ad-hoc reporting, KPI & scorecard design
Automation & Workflows:	Microsoft Power Platform, Airflow, Informatica, API integrations
Clouds & Devops:	AWS, Azure, GCP, Git, GitHub
Environments:	Agile, Waterfall, Windows, Linux, MacOS
Soft Skills:	Cross-functional collaboration, Executive-ready communication, Documentation

EXPERIENCE

United Healthcare Group | Data Analyst

10/2025 – Present

- Developed dynamic Power BI dashboards with advanced visual analytics and designed interactive Tableau dashboards integrating AWS and multi-source data to deliver real-time insights for stakeholders.
- Optimized and designed SQL functions, complex queries, stored procedures, indexing strategies, and performance tuning to improve query speed and database efficiency across large datasets.
- Designed Led Agile-driven data projects, ensuring high-quality code, smooth sprint execution, and on-time delivery of analytics solutions.
- Engineered Python-based ETL scripts using PySpark that reduced clinical data processing latency by 35%, enabling near real-time ingestion of 500GB+ daily patient records.
- Developed scalable data pipelines using AWS Glue, enabling automated ingestion, transformation and integration with downstream analytics layers.
- Integrated pipelines with GCP BigQuery to support seamless cross-cloud data processing and analytics workloads.
- Engineered AWS Lambda for real-time processing and used Azure Data Factory to orchestrate automated ETL workflows.
- Developed predictive models using TensorFlow to identify high-risk patient segments, contributing to a 12% reduction in hospital readmission rates.

University of Memphis | Data Analyst

01/2024 – 09/2025

- Architected a seamless data pipeline between Workday Finance and Snowflake, consolidating \$50M+ in annual budget data and reducing multi-departmental reporting overhead by 25%.
- Automated scheduled Python refresh pipelines for budget and spend KPIs, reducing manual data pulls and refresh effort by ~30%.
- Designed and maintained Power BI dashboards tracking budget vs. actuals, burn rate, forecast variance, and cost center performance, improving visibility for operational planning.
- Implemented data quality checks and validation rules to improve reliability and reduce reporting discrepancies in budget datasets.
- Used R for trend analysis and statistical testing on budget KPIs producing reproducible outputs to support periodic operational reviews.
- Partnered with operations stakeholders to gather requirements, define KPI logic, and produce documentation/user guides so non-technical users could interpret metrics confidently.

Capgemini | Data Analyst

01/2022 – 12/2023

- Developed and maintained SQL queries, views, and stored procedures to support enterprise reporting across CRM and operational systems.
- Built automated ETL workflows using Python, Node.js, SQL, and AWS (Lambda, S3, Airflow) to process high-volume datasets and deliver analysis-ready tables.
- Optimized Snowflake warehouse performance and query execution plans, reducing dashboard refresh times by 30% and improving system reliability.
- Reduced manual reporting effort by 40% by automating recurring KPI refreshes, scheduled data loads, and standardized report outputs.
- Instituted data quality controls within Snowflake pipelines, including reconciliation checks and anomaly monitoring, to ensure data accuracy.
- Partnered with product owners and business stakeholders to gather requirements, define KPI logic, and document metric definitions and reporting specifications.

- Developed 15+ Tableau dashboards and Excel reports, improving data visualization efficiency and insights.
- Optimized complex SQL queries and tuned database performance to enhance the accuracy and speed of software analytics reporting.
- Automated data validation using Python and Airflow, ensuring high data quality and consistency.
- Built big data pipelines with Hadoop, Hive, and Spark, improving processing speed and scalability.
- Translated complex data into actionable insights, supporting product and feature improvements effectively.
- Integrated GitLab for version control and collaboration, streamlining data workflows and version tracking.

PROJECTS

Sales & Customer Analytics Dashboard

[GitHub](#)

- Developed an end-to-end interactive Power BI dashboard to visualize \$34M in total sales and performance trends for a global distributor, achieving a 60.3% profit margin.
- Engineered robust data models using SQL and Python to consolidate multi-source datasets into clean, analysis-ready tables, improving data reliability for financial reporting.
- Designed granular shipment and product analysis views, enabling leadership to identify top-performing products like "Milk Bars" (\$997K profit) and automate daily KPI refreshes.
- Conducted Exploratory Data Analysis (EDA) to identify spend patterns and variance drivers, delivering actionable insights that improved campaign performance by 10%.

Airline Revenue Management & Pricing Prediction

[GitHub](#)

- Engineered a predictive model using R to forecast airline fare fluctuations, applying revenue management principles to optimize pricing for perishable inventory.
- Conducted statistical testing on historical flight data to identify demand drivers and seasonality trends, mirroring market trend analysis required for portfolio management.
- Automated data processing scripts that simulate the competitive positioning logic used in industry-standard revenue systems.

EDUCATION

Master's in Data science | University of Memphis, Memphis, TN

Bachelors in Electronics & Communication Engineering | Indian Institute of Information Technology, Jabalpur, India

CERTIFICATES

- AWS Certified Solutions Architect – Associate
- Microsoft Certified: Power BI Data Analyst Associate
- Google Advanced Data Analytics Professional Certificate
- IBM Data Science Professional Certificate