

SUHAS VENKAT

Data Analyst | SQL | Power BI | Python | dbt | Business Intelligence

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SUMMARY

Data Analyst with 3+ years at TCS. Shipped 70+ dashboards used daily by CFOs and CHROs. Cut pipeline latency 98% (3 hr → 3 min) on 1.5M daily records via SQL and ADF optimization. Built Power BI semantic models standardizing KPIs across 4 business units — reducing ad-hoc requests 40%. Identified 3 revenue gaps via cohort analysis; 2 actioned by VP-level stakeholders. PL-300 certified. Finishing MSc Data Science at UE Berlin (2026).

SKILLS

BI & Visualization: Power BI (PL-300, DAX, Power Query, Semantic Models), Tableau, Excel (Advanced), dbt
SQL & Data: Advanced SQL (CTEs, Window Functions, Optimization), PostgreSQL, MySQL, Snowflake, Dimensional Modeling, Data Quality
Analytics: Statistical Analysis, Cohort Analysis, Variance Analysis, Trend Analysis, KPI Modeling, Forecasting, A/B Testing
Tools: Python (Pandas, NumPy, Matplotlib), Azure Data Factory, Airflow, Git, Docker, FastAPI, Jupyter
Languages: English (Fluent), German (B1)

EXPERIENCE

Data Analyst & Team Lead

Jan 2023 – May 2025

Tata Consultancy Services, India

- Identified 3 revenue gaps via 6 months of cohort and variance analysis on transaction data; 2 actioned by VP-level stakeholders the following quarter — directly influencing revenue strategy.
- Delivered 70+ dashboards for CFO/CHRO teams by consolidating 15 fragmented Excel reports into a unified Power BI semantic layer — cutting ad-hoc data requests 40%.
- Reduced ETL pipeline latency 98% (3 hr → 3 min) on 1.5M daily records by redesigning SQL and Azure Data Factory pipelines — saving ~500 engineering hours/year.
- Standardized KPIs across 4 business units via Power BI semantic models and a unified dbt metrics layer — ran A/B variance analysis across cohorts to validate metric definitions, freeing ~8 analyst hours/week.
- Led 3-person team across 5 Agile sprints by running sprint planning, daily standups, and code review cycles in Jira — zero production incidents.

Data Analyst

Jun 2022 – Dec 2022

Tata Consultancy Services, India

- Built 8+ dashboards in Power BI and Tableau for HR, finance, and logistics by translating stakeholder requirements into semantic data models — resolved ETL quality issues and ran trend analysis for executive briefings.

PROJECTS

Support Mail Agent | LangGraph, LangChain, FAISS, FastAPI

github.com/suhasvenkat/Support_Mail_Agent

Production RAG pipeline: intent classification (5 categories), FAISS semantic search (80%+ precision), sub-200ms inference, AI response generation, confidence-based escalation. FastAPI backend with web dashboard.

dbt Snowflake Pipeline | dbt, Snowflake, AWS S3, SQL

github.com/suhasvenkat/dbt-snowflake-pipeline

End-to-end analytics pipeline: AWS S3 → Snowflake → dbt medallion architecture (bronze/silver/gold), SCD Type 2, dbt tests and documentation. Demonstrates modern data stack analytics engineering.

Airflow Energy Pipeline | Airflow, Docker, PostgreSQL, Python, TensorFlow

github.com/suhasvenkat/airflow-weather-pipeline

End-to-end data pipeline for MSc research: CSV ingestion → Airflow DAG → PostgreSQL → LSTM/Transformer/SSL models for building energy forecasting (1,000+ buildings). Fully containerized.

EDUCATION

M.Sc. Data Science

Expected Aug 2026

University of Europe for Applied Sciences (UE), Berlin

B.E. Civil Engineering

2022

India

CERTIFICATION

Microsoft Certified: Power BI Data Analyst Associate (PL-300) — 2024