

# SUHAS VENKAT

Analytics Engineer | dbt | Snowflake | SQL | Power BI | Microsoft Fabric | ETL/ELT

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## SUMMARY

Analytics Engineer with 3+ years at TCS owning the full data layer — ingestion, transformation, semantic modeling, and C-suite delivery. Cut pipeline latency 98% (3 hr → 3 min) on 1.5M daily records by rebuilding incremental models in dbt. Built Snowflake medallion architecture (bronze/silver/gold) with SCD Type 2. Shipped 70+ dashboards used by CFOs and CHROs. Reduced ad-hoc requests 40% via dbt semantic layer. PL-300 certified, pursuing DP-600. MSc Data Science, UE Berlin (2026).

## SKILLS

**Data Engineering:** dbt (Core & Cloud), Snowflake, Azure Data Factory, Microsoft Fabric, Apache Airflow, ETL/ELT, Medallion Architecture, Batch & Streaming

**SQL & Databases:** Advanced SQL (CTEs, Window Functions, Optimization), PostgreSQL, MySQL, Dimensional Modeling, Data Quality, dbt Tests

**BI & Analytics:** Power BI (PL-300, DAX, Semantic Models), Tableau, KPI Frameworks, Metrics Layer, Self-Service Analytics

**Programming:** Python (Pandas, NumPy), Git, FastAPI, Docker, REST APIs, Linux

**Languages:** English (Fluent), German (B1)

## EXPERIENCE

### Data Analyst & Team Lead

Jan 2023 – May 2025

Tata Consultancy Services, India

- Built dbt semantic models (Core & Cloud) and a unified Power BI metrics layer standardizing KPIs across 4 business units by designing dimension tables, DAX measures, dbt tests, and medallion architecture — ad-hoc data requests dropped 40%.
- Cut ETL latency 98% (3 hr → 3 min) on 1.5M daily records by repartitioning Parquet files, rewriting correlated subqueries as window functions, and rebuilding incremental models in dbt + Azure Data Factory — saving ~500 engineering hours/year.
- Shipped 70+ dashboards for CFO/CHRO teams by building a governed Snowflake warehouse layer — replaced 15 fragmented Excel reports, standardizing metric definitions across finance, HR, and logistics.
- Identified 3 revenue gaps via cohort analysis on 6 months of transaction data using SQL window functions and Python (Pandas) — 2 actioned by VP-level stakeholders the following quarter.
- Led 3-person team across 5 Agile sprints by running weekly standups, sprint reviews, and incident post-mortems in Jira — zero production incidents.

### Data Analyst

Jun 2022 – Dec 2022

Tata Consultancy Services, India

- Built 8+ dashboards in Power BI and Tableau and automated ETL quality checks using Python (Pandas) — resolved data quality issues and ran trend analysis for executive briefings.

## PROJECTS

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

[github.com/suhasvenkat/dbt-snowflake-pipeline](https://github.com/suhasvenkat/dbt-snowflake-pipeline)

Production analytics engineering pipeline: AWS S3 → Snowflake → dbt transformations with medallion architecture (bronze/silver/gold) and SCD Type 2 historical tracking. Implements dbt tests, dbt docs, and incremental models.

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

[github.com/suhasvenkat/airflow-weather-pipeline](https://github.com/suhasvenkat/airflow-weather-pipeline)

End-to-end DataOps pipeline: CSV ingestion → Airflow DAG → PostgreSQL → LSTM/Transformer/SSL models for building energy forecasting (1,000+ buildings). Sub-200ms inference. Fully containerized.

### Support Mail Agent | LangGraph, LangChain, FAISS, FastAPI

[github.com/suhasvenkat/Support\\_Mail\\_Agent](https://github.com/suhasvenkat/Support_Mail_Agent)

Production RAG pipeline: LangGraph workflow, intent classification (5 categories), FAISS semantic search (80%+ precision), AI response generation, confidence-based human escalation.

## EDUCATION

### M.Sc. Data Science

Expected Aug 2026

University of Europe for Applied Sciences (UE), Berlin

### B.E. Civil Engineering

2022

India

## CERTIFICATIONS

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

Pursuing: Microsoft Fabric Analytics Engineer Associate (DP-600)