

# SUHAS VENKAT

Werkstudent Data Analyst | 20 hrs/week | SQL | Power BI | Python | dbt

Berlin · +49 152 13787099 · suhasvenkat265@gmail.com

linkedin.com/in/suhas-venkat · github.com/suhasvenkat · suhasvenkat.github.io



## EDUCATION

### M.Sc. Data Science

Expected Aug 2026

University of Europe for Applied Sciences (UE), Berlin

Relevant coursework: Machine Learning, Statistical Modeling, Data Engineering, Business Intelligence, Deep Learning for Time Series

### B.E. Civil Engineering

2022

India

## SUMMARY

MSc Data Science student (UE Berlin, Aug 2026) with 3+ years at TCS gaining hands-on experience in SQL, Power BI, Python, and data pipelines. Delivered 70+ dashboards for CFO/CHRO teams. Cut pipeline latency 98% on 1.5M daily records. Built production RAG AI agent (80%+ precision, sub-200ms) and deep learning energy forecasting research pipeline. PL-300 certified. Available 20 hrs/week — flexible around university schedule. English fluent, German B1.

## SKILLS

**BI & Visualization:** Power BI (PL-300, DAX, Power Query), Tableau, Excel (Advanced) | Dashboard development, Data Storytelling

**SQL & Data:** SQL (CTEs, Window Functions), PostgreSQL, MySQL | Dimensional Modeling, ETL Pipelines, Data Quality

**Analytics:** Statistical Analysis, Cohort Analysis, Trend Analysis, KPI Reporting | Jupyter, Git, dbt (basics)

**Programming:** Python (Pandas, NumPy, Matplotlib), Scikit-learn | English (Fluent), German (B1)

## PROJECTS

### Energy Forecasting Research | PyTorch, TensorFlow, GNN, LSTM, Transformer

[github.com/suhasvenkat/energy-forecasting-research](https://github.com/suhasvenkat/energy-forecasting-research)

MSc research project: compared LSTM, Transformer, GNN, and SSL architectures for building energy forecasting on ASHRAE dataset (1,000+ buildings). Hands-on experience with deep learning model design and evaluation.

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

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

End-to-end data pipeline: CSV ingestion → Airflow DAG orchestration → PostgreSQL. Hands-on containerization, pipeline design, and ML model integration.

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

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

AI email triage: intent classification, FAISS semantic search (80%+ precision), sub-200ms response. Explored RAG architectures and LangGraph agent workflows.

## EXPERIENCE

### Data Analyst

Jan 2023 – May 2025

Tata Consultancy Services, India

- Developed and maintained 70+ Power BI and Tableau dashboards for CFO and CHRO teams by designing DAX measures, Power Query transformations, and semantic data models covering 4 business units.
- Optimized SQL ETL pipelines processing 1.5M daily records — reduced latency by 98% (3 hr → 3 min) and improved reporting reliability.
- Standardized KPIs across 4 business units and built Power BI semantic models — cutting ad-hoc requests 40% and saving ~500 analyst hours/year. Presented findings to VP-level stakeholders.
- Ran cohort and variance analysis on 6 months of transaction data using SQL window functions and Python (Pandas); findings contributed to VP-level revenue strategy decisions — saving ~8 analyst hours/week.

### Data Analyst

Jun 2022 – Dec 2022

Tata Consultancy Services, India

- Built 8+ dashboards in Power BI and Tableau by translating business KPIs into visual layouts — identified and resolved ETL data quality issues, ran trend analysis for executive planning.

## CERTIFICATION

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