

Anirudh Sharma

Data Engineer

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Summary

Aspiring Data Engineer with 2+ years of software engineering experience, specializing in the intersection of application development and data infrastructure. Proven track record of designing robust data pipelines, optimizing warehouse solutions, and improving query latency in production environments. Proficient in Python, SQL, and backend development, leveraging a strong software engineering foundation to build scalable, high-integrity data systems.

Education

B.E. Manufacturing Engineering BITS Pilani 🔗	08/2017 – 07/2022 Pilani
M.Sc. Financial Engineering WorldQuant University 🔗	10/2025 – Present Remote

Skills

- **Languages:** Python, Java, Golang, SQL
- **Data Engineering:** PySpark, Spark-SQL, Databricks, dbt, Data Modeling, Batch Processing
- **Cloud & DevOps:** AWS, Azure, Docker, CI/CD, Github Actions, Jenkins
- **Databases:** PostgreSQL, MySQL, DuckDB, Snowflake

Professional Experience

Data Engineer 02/2025 – 06/2025
smalldata.ai [🔗](#) Remote

- Accelerated data onboarding by ~40% through implementation of a modular ETL framework using dlthub and dbt, replacing bespoke scripts with standardised ingestion patterns for multi-source pipelines.
- Fortified pipeline reliability by integrating automated Data Validation (Pydantic / dbt tests) into CI/CD workflows, cutting critical data integrity incidents by 60%.

Software Engineer 08/2022 – 06/2024
S&P Global Dow Jones Indices [🔗](#) Hyderabad

- Architected mission-critical data solutions for global index calculation workflows, ensuring high-availability and sub-second precision for market-sensitive financial reporting.
- Optimised relational schema design and query execution plans, achieving a 25% improvement in retrieval latency for large-scale historical datasets.

Projects

ferry [🔗](#)

lightweight data ingestion engine

- Implemented a plugin-based connector architecture decoupling ingestion logic from the core engine; reduced engineering overhead for new integrations to under one hour.
- Engineered self-healing data primitives - automated schema inference and incremental load detection - improving pipeline resilience and reducing transient failures by 80%.

Awards

Captain – Snooker Team

BITS Pilani

Led the university snooker team. Represented Rajasthan at the Junior Snooker Nationals Tournament.

Languages

- English
- Hindi