Vidit Dhull, Data Engineer

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SUMMARY

- **Microsoft Certified Azure Data Engineer** with **2+ years** of experience designing, building, and automating scalable batch and streaming data pipelines on **Azure/Microsoft Fabric.**
- Proven track record **optimizing Snowflake data models and stored procedures (up to 40% faster queries)**, delivering **ML-ready datasets**, and enabling insights with **Power BI** (reduced troubleshooting time from **2 months to <2 weeks**).
- Strong **Python** and **SQL** developer (**HackerRank 5-star; 600+ LeetCode problems**) with hands-on **CI/CD**, code reviews, and agile collaboration.
- **Ranked 1st** in PG-Diploma (Big Data Analytics) at **CDAC Bengaluru**.

SKILLS

- **Programming & Scripting:** Python, SQL
- **Data Engineering Tools:** Microsoft Fabric, Eventhouse, GitLab, Power BI, Azure Data Factory, CI/CD, Spark
- **Data Modeling & Warehousing:** Medallion Architecture, Star & Snowflake Schema, Stored Procedures, CTE
- **Data Processing:** Batch & Streaming Pipelines, Data Validation Automation, Log Ingestion, ETL/ELT
- **Collaboration & Version Control:** GitLab, Agile/Scrum, Code Reviews, Documentation
- **Soft Skills:** Problem Solving, Team Collaboration, Communication, Business
- **Other:** Requirement Analysis, FinOps Awareness, Parquet/Tabular Data Formats

EXPERIENCE

Data Engineer, Alstom Bengaluru   **March, 2023 – Present**

Dialogs – AI-Powered Troubleshooting Platform (Apr 2024 – Present)

- Built and optimized **Snowflake-based data models** and stored procedures, reducing query execution time by **40%.**
- Developed scalable batch and streaming pipelines using **Python notebooks, Eventhouse, and sub-pipelines**, processing **100K+ daily events**.
- Delivered **Power BI dashboards** that reduced troubleshooting time from **2 months to under 2 weeks**.
- Conducted **code reviews** and collaborated on **pipeline architecture** to ensure **performance and maintainability.**
- Enabled seamless log transformation into parquet/tabular formats, improving **ML-readiness**.

NSCR (Oct 2023 – Mar 2024)

- Delivered validated datasets for **100+ configurations**, meeting all project milestones independently.
- Achieved 100% automation of **validation workflows** using Python-based logic, reducing manual effort by **70%**.
- Reviewed and **optimized 50+** validation scripts, improving maintainability and reducing error rates.

Ireland (Mar 2023 – Sep 2023)

- Automated validation of **1,500+ signaling configurations** using internally scripted logic.
- Defined and implemented **200+ validation rules** based on complex signaling scenarios.
- Collaborated with design teams to troubleshoot mismatches, **reducing manual effort by 60%.**

CERTIFICATIONS

- Azure Data Engineer Associate (**DP-203**), Microsoft.   **June 2024**
- Azure Data Fundamentals (**DP-900**), Microsoft.   **April 2024**
- IBM Data Engineering Specialization, Coursera.   **Oct 2023**

EDUCATION

PG-Diploma (Big Data Analytics), CDAC-Bangalore	82% | Ranked 1st	**Sep 2022 – Mar 2023**
B. TECH (CSE), UIET-MDU, Haryana	7.8 CGPA	**July 2018 – Aug 2022**
12th Standard (Non-Medical), CBSE	81%	**Apr 2016 – Mar 2017**