

DEVANSH BHATT

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Technical Skills

Cloud Platforms: Microsoft Azure (Databricks, Data Lake Storage Gen2, Azure SQL, Azure Active Directory).

Data Engineering: PySpark, SQL, Delta Lake, ETL/ELT Pipeline Design, SCD Type 1 & 2.

Language & Scripting: Python (Pandas, NumPy), Advanced SQL, Shell Scripting.

Visualization: Power BI (DAX), Matplotlib, Seaborn.

Other Skills: Advanced Excel, Business Analysis, Data Analysis, Customer Acquisition.

Professional Summary

Azure Data Engineer with **3+ years of experience** architecting scalable ETL/ELT pipelines using **Databricks, PySpark**, and **Delta Lake**. Rapid achiever promoted from Associate to Senior Engineer for driving **40% efficiency gains** through pipeline optimization and automation. Adept at merging traditional data engineering with **Generative AI** integration to deliver high-impact business solutions.

Experience

EY-GDS

February 2023 – Present

Senior Software Engineer | June 2025 -Present

Pune, India

- **Data Pipeline Engineering:** Engineered scalable **ETL pipelines** using **Azure Databricks** and **PySpark** to ingest, clean, and transform large-scale datasets from disparate sources (SQL, SharePoint, APIs) into **Azure Data Lake**, ensuring high availability and data consistency.
- **Real-time Data Processing:** Integrated **MuleSoft APIs** with Azure Databricks to consume real-time data streams. Implemented change data capture (CDC) mechanisms to identify updates and store them efficiently in **Delta Tables** for versioning and time-travel querying.
- **Dimensional Modeling & Warehousing:** Designed and implemented **Slowly Changing Dimensions (SCD Type 1 and Type 2)** in Azure Databricks to accurately track historical data changes and maintain data integrity for downstream analytics.
- **Data Governance & Quality:** Developed rigorous data validation scripts to ensure accuracy across the pipeline. Collaborated with cross-functional teams to resolve data lineage issues and improve data quality standards by **15%**.

Associate Software Engineer | February 2023 -May 2025

Pune, India

- **Performance Tuning:** Optimized Spark jobs for performance, reducing data preparation time by **25%** through efficient partitioning and caching strategies.
- **Power Platform Integration:** Developed a **Power App** to collect data for the client's new business line, centralizing information from SQL Server and Azure.
- **Data Modeling:** Performed data modeling to unify disparate datasets and created Power BI reports for real-time insights into business performance.
- **Optimization & Automation:** Automated complex reporting workflows and data processing jobs, achieving a **70% reduction in manual effort** and significantly lowering data latency for client stakeholders.

Projects

Enterprise Demand Forecast & Inventory Planner | Python, Data Science, SQL, Matplotlib

[GitHub](#)

- Engineered a production-grade forecasting system using **Python** and **Holt-Winters algorithms** to ingest sales data, automate time-series resampling, and calculate safety stock levels based on service level targets.

GenAI-Powered Data Analyst | Python, SQL, pandas, NumPy, OpenAI API

[GitHub](#)

- Built a "Chat-with-your-Data" solution integrating **Google Gemini** and **OpenAI GPT-4o**, capable of handling **80k+ rows** with smart sampling and self-correcting parsing logic for robust error handling.

Education

Bachelor of Engineering in Computer Science and Engineering

Aug 2018 – Aug 2022

Sinhgad College of Engineering, Pune 8.30 CGPA