

JEMIN SHRESTHA

DATA ENGINEER

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SUMMARY

Data Engineer with 3+ years in the Retail industry, skilled in SQL, Python, and Tableau with expertise in ETL processes and data pipeline development. Experienced in building and maintaining large-scale data infrastructure with cloud platform exposure. A collaborative team player with strong problem-solving abilities and a passion for data-driven decision-making. **Open to roles across data engineering, data analytics, or related areas that leverage technical skills to support business insights and growth.**

SKILLS

Python, PySpark	SQL, T-SQL, dbt	ETL/ELT Development
Spark Streaming/Optimization	Microsoft Fabric	GCP, Hive, Hadoop
Apache Kafka/Flink	Stored Procedures/Functions	Performance Tuning
Azure (Databricks, ADF)	Tableau, Power BI	Data Modeling
AWS Cloud Computing	SSIS/SSMS/SSRS	Quality Assurance

CERTIFICATIONS

[Google Data Analytics](#)
[HackerRank SQL Advanced](#)
[Azure Databricks & Spark Core \(Python/SQL\)](#)

EXPERIENCE

Senior Data Engineer | Audit Partnership | Kathmandu, NP | Mar 2023 - Aug-2023

- Automated a complete ETL process in Azure Data Factory, replacing manual extraction and merging, saving over 30% processing time and improving task scheduling efficiency.
- Converted static SQL to dynamic SQL, designing efficient stored procedures that enhanced readability and reusability, reducing query execution time by 25% and improving data retrieval efficiency.
- Developed a crucial retail tool by creating stored procedures to process data in batches across multiple SQL Servers without affecting performance, managing over 100 suppliers through a centralized table.
- Built an ELT pipeline with Dagster, automating data extraction, reporting, and bulk data insertion into SQL Server. Reduced processing time by 40% and eliminated redundant tasks, while migrating outdated SSIS packages to Azure Data Factory for improved reliability.

SQL Developer | Cotiviti | Kathmandu, NP | Jul 2021 - Mar 2023

- Worked with auditors and stakeholders closely to understand their data needs and developed efficient SQL Procedures to handle large volumes of data. Improved existing Stored Procedures to make them easier to manage, added proper error tracking, and created logs to help monitor data flow.
- Optimized slow-running queries by breaking them into manageable and clean steps, and applied optimization techniques, which helped speed up performance significantly and remove bottlenecks. Also built simple automation tools using Python scripts and Excel macros to clean data and reduce repetitive manual work.

Strategy Planning Trainee | Ncell | Kathmandu, NP | Feb 2021 - Jul 2021

- Analyzed customer revenue, traffic user data, and daily trends by region, product performance, and network mode (3G vs. 4G) for the Executive Dashboard.
- Collaborated with the BI team to analyze Big Data and identify key revenue-driving KPIs, improving data-driven decision-making. Calculated revenue growth, ARPU, and data traffic KPIs with WoW, MoM, and YoY comparisons, resulting in a 15% increase in targeted marketing effectiveness.
- Analyzed weekly performance trends using KPIs like ARPU and traffic volumes while directly managing over 10 core datasets in Excel that enhanced forecasting accuracy by approximately 20%, leading to informed strategic planning.

EDUCATION

Georgian College, Canada (Sept 2023 – April 2025)

- **Graduate Certificates:** Big Data Analytics (2023-2024), Artificial Intelligence (2024-2025)

Softwarica College, Coventry University, UK (2017 – 2021)

- **BSc in Computing (Honours First Class)**