

Darshan Narola

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EDUCATION

Computer Application Development Conestoga College ON, Canada	May 2024 – Dec 2024
Information & Technology Algoma University ON, Canada	May 2023 – Apr 2024
Bachelor Of Computer Application Veer Narmad South Gujarat University Gujarat India	June 2019 – May 2022

SKILLS SUMMARY

Programming:	Python, R, SQL, JavaScript, Java, Shell
Tools:	Data Factory, Data Lake, Databricks, Git, VS Code, Jira
Data Analytics:	Power BI, Tableau, MS Excel, Matplotlib
Databases:	SQL Server, MongoDB, MySQL, Oracle, PostgreSQL, Cosmos DB
Frameworks:	Pandas, NumPy, Spring Boot, NodeJS
DevOps:	Cloud Formation, Terraform, CI/CD, Micro-services, Git, GitLab, Docker, Kubernetes, EKS
Cloud Technologies:	Azure, AWS, GCP
Big Data:	Spark, Snowflake, Hadoop, Kafka
Soft Skills:	Teamwork, Communication, Problem Solving, Organization, Project Management

WORK EXPERIENCE

Surat Infotech. Data Engineer	Jun 2021 – Aug 2022
Technologies: Python, PySpark, SQL, ADLS, ADF, Terraform, MySQL, Databricks Jira	
<ul style="list-style-type: none">Participated in the estimation, planning, and execution phases, with a strong emphasis on requirement analysis and design.Ingested data from various sources to Azure Data Lake Storage (ADLS Gen2).Created Data Pipelines to copy data from source to sink.Implemented process automation and task scheduling using Azure Data Factory.Analyzed and cleansed the data using PySpark on Databricks.Applied a range of Spark Transformations and Actions to cleanse the input data.Created PySpark code to generate DataFrame from raw formatted layers and writing to data service layer tables in parquet format and delta format.Optimized MySQL database queries and improved the schema design to enhance data processing speed by 20%.Handled heterogeneous data sources such as RDBMS, Streaming data, and different file formats.Fine-tuned the jobs to improve source utilization and minimize processing time to obtain Performance optimization.Modeled the techniques of Adaptive Query Execution (AQE) dynamically to handle partition skew, coalescing of shuffle partitions, and switching join strategies.	

PROJECTS

Real-Time Weather Reporting System	Oct 2024 – Dec 2024
Technologies: Azure Databricks, Azure Event Hub, Azure Key Vault, Weather API	
<ul style="list-style-type: none">Designed and implemented a scalable data pipeline for real-time weather data ingestion, processing, and streaming.Integrated Azure Key Vault for secure API key management.Utilized Azure Databricks for data processing and analytics.Streamed processed data to Azure Event Hub for real-time access by downstream systems.Followed best practices for cloud-based solutions ensuring efficiency and security.	
ODI Cricket Data Engineering Solution	July 2024 – Aug 2024
Technologies: Snowflake, JSON, Snowsight	
<ul style="list-style-type: none">Developed an end-to-end data engineering solution for ODI cricket data using Snowflake.Designed and implemented data flow processes, including loading, curation, and transformation of JSON files into Snowflake.Built and optimized fact/dimension tables and multi-layer database architecture to support efficient querying.Automated data flow with tasks and task trees, ensuring real-time updates.Utilized Snowsight to create interactive dashboards for data visualization and analysis.Ensured data quality and integrity through robust ETL/ELT processes.	

CERTIFICATES

Programming in Python

March 2023

- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

SQL For Data Professionals

Sep 2024

- Gained expertise in SQL basics, joins, window functions, and advanced topics like indexes and triggers.
- Worked on ETL fundamentals, data warehousing concepts, and a project with a real dataset of over 1 million records

SQL Skill Certificate

Sep 2024

- Demonstrated SQL proficiency, including data retrieval, filtering, grouping, and sorting.
- Validated skills in designing queries and performing operations like joins and subqueries.
- Certified by HackerRank, showcasing SQL competency for data analysis and database management tasks.