


Simran Soni

Data Engineer

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Data professional with 4.6 years of experience in SQL and data warehousing, with strong expertise in Snowflake, AWS, and modern data engineering. Skilled in building scalable data pipelines and delivering real-time analytics solutions.

EDUCATION

Postgraduate Certificate in Data Science and Machine Learning

Sept 2022 - Sept 2023

Manipal Unext Learning, Bangalore, KA

BBA, Finance Specialisation

July 2015 - May 2018

Ness Wadia College of Commerce, Pune, MH

EXPERIENCES

Senior Data Engineer - Snowflake

Nov 2023 - Present

Maveric Systems

Bangalore, KA

- Developed and optimized 3+ data pipelines using Snowflake and AWS, resulting in the reduction of data processing time.
- Worked on Client's Snowflake project, managing the migration of terabyte-scale data from on-premises to Snowflake
- Designing and implementing an advanced ETL pipeline for real-time fraud detection and a Customer 360 view for seamless data flow into Snowflake.
- Completed 100+ hours of big data and Snowflake training, enhancing my skills and technical expertise.
- Data transformations are managed with dbt, creating a unified customer profile and a fraud detection system using Snowflake's streams, tasks, and UDFs.
- Designed and implemented ETL processes for ingesting 1M+ records daily into Snowflake.
- A modular, scalable architecture is ensured through task orchestration with Snowflake tasks and Airflow, along with optimization techniques for performance and cost-efficiency.

Analyst

Sept 2019 - Sept 2022

Deutsche Bank

Pune, Maharashtra

- Maintained and optimized SQL-based data workflows in the enterprise data warehouse to support mortgage loan servicing.
- Performed complex CRUD operations on customer data, ensuring data integrity and consistency across upstream and downstream systems.
- Collaborated with senior stakeholders and software engineers to manage customer data updates and workflow improvements.
- Automated reporting and data validation processes using SQL and internal tools, reducing manual intervention and improving operational accuracy.
- Integrated and transformed data from multiple sources to deliver insights to senior leadership, enabling informed decision-making.

Business Analyst Intern

May 2018 – Sept 2018

Ruby Capital Advisors

Pune, Maharashtra

- Working as a part of an analyst team for diverse stakeholders and clients for projects like Project Arista for Embassy REIT, CapacitySwap for IL&FS Group, and Project Infinity for YUJ Designs.
- Rewarded with stipend increment during the internship based on demonstrated performance, which resulted in the company acquiring 7 new high-value clients within two months and completing 95% of projects on or before schedule.

SKILLS & TECHNOLOGIES

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- **Programming Skills & Databases:** Snowflake, SQL, Python
 - **Cloud Technologies:** AWS, Cloudera
 - **Frameworks, OS & Project Methodologies:** Agile, SDLC, Jira, Business Process Analysis, Windows, Linux, Power BI, GitHub, Finance Domain
 - **Soft Skills:** Strong problem-solving skills, Leadership, Client Relationship Building, Communication, Adaptability

PROJECTS

Snowflake Data Pipeline Project

Tools: Snowflake, DBT, AWS S3, SQL, Tableau

- Designed and built data pipelines in Snowflake to automate data ingestion from various sources, enhancing data accessibility and reliability.
- Implemented ETL processes using Python and SQL to transform and load data, ensuring high-quality datasets for analytics.
- Optimized existing data workflows, resulting in a 30% reduction in processing time and improved efficiency for data retrieval.
- Collaborated with cross-functional teams to define data requirements and develop tailored solutions for business intelligence needs.

Real-time Fraud Detection and a Customer 360 View for Client Project

Tools: Snowflake, DBT, Power BI

- The project includes real-time data ingestion from various transaction channels, batch updates, and external data sources, using AWS S3 as a raw data landing zone and Snowflake as the core data warehouse.
- Data transformations are managed with dbt, creating a unified customer profile and a fraud detection system using Snowflake's streams, tasks, and UDFs.
- A modular, scalable architecture is ensured through task orchestration with Snowflake tasks and Airflow, along with optimization techniques for performance and cost-efficiency.
- Security and compliance are maintained with row-level security, encryption, and monitoring alerts.

Real Estate Price Prediction WebApp

Tools: Python, Pandas, Power BI

- Extracted, cleaned, and transformed real estate data and applied data science concepts to build an accurate prediction model to enable users to predict the price point of houses.
- Enhanced real estate price prediction accuracy by 80%, leveraging feature engineering techniques and advanced machine learning algorithms.

CERTIFICATIONS

- ThinkNXT Data Engineer by Maveric Systems: Big data technology & AWS
- Snowflake Training Certification by Maveric: Snowflake beginner to advance
- Kaggle Certified: Pandas, Data Cleaning & Data Visualization
- Fundamentals of Visualization with Tableau by UC, Davis (Coursera)

LEADERSHIP & ACHIEVEMENTS

- Received a performance-based appraisal at Maveric recognizing contributions and future potential.
- Deutsche Bank Star of the Month, for training back-to-back batches of 13 trainees during lockdown.
- Rewarded with a bonus of 10,000 during an internship for demonstrated performance and hard work.
- Volunteered for HelpAge India NGO for fundraising and was rewarded with a gold medal.