SHUBHAM KUMAR ROY

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PROFILE

Highly skilled data engineer with extensive experience of one and half year in SQL server, Snowflake, Alteryx, Ms-Excel, ADF, and PowerBI. Possessing a solid foundation in data analysis techniques, I have successfully leveraged these tools to deliver actionable insights and drive informed decision-making. With a B.Tech degree and a strong academic record, I am committed to continuously enhancing my skills and leveraging my expertise to deliver exceptional results.

PROFESSIONAL EXPERIENCE

Data Engineer, *Polestar Solutions and Services*   01/2022 – present

Project 1 (Snowflake):

- Executed comprehensive data integration project for Welltower Human Capital, a major US client. Designed end-to-end stored procedures and Tasks on Snowflake to streamline data processing and reporting, applying meticulous approach.
- Developed specialized procedures for data preprocessing and cleansing, ensuring quality. Applied data validation, reducing downstream errors.
- Designed robust staging process for transformed data and created efficient data transformation procedures.
- Formulated procedures for dimension and fact tables, reporting and analysis. Ensured accurate alignment for insightful insights.
- Orchestrated recurring task for seamless monthly data updates. Managed incremental updates, ensuring data consistency.
- Devised specialized procedure to capture and resolve data discrepancies. Implemented exception handling for timely corrective actions.
- Designed comprehensive error handling to detect procedural failures. Implemented logging for detailed insight and efficient debugging.

Project 2 (SQL):

- SQL developer with a focus on Business Intelligence and Analytics, actively involved in the Workforce Insights project.
- Imported raw tables into the SQL database and designed Facts and Dimensions based on the HR Model requirements.
- Developed efficient stored procedures for data extraction, transformation, and loading from the Raw Schema to staging areas, including exception reporting.
- Resolved data problems and created dummy data as necessary, ensuring smooth data processing.
- Conducted comprehensive data validation and testing using SQL queries and PowerBI DAX to ensure accurate and reliable insights.

Project 3 (Alteryx):

- Proficient in Alteryx, utilized for developing and implementing Common Data Services workflows.
- Played a key role in data extraction, validation, and ingestion from diverse sources like flat files, databases, and APIs.
- Created Data Profiling and data quality workflows, ensuring comprehensive metadata analysis and effective data validation.
- Collaborated as an Engineer in end-to-end development, testing, and implementation of ETL frameworks.
- Conducted thorough data validation and testing to maintain data accuracy and integrity.

Project 4 (Azure Data Factory):

• Utilized Azure Data Factory (ADF) to develop robust pipelines for extracting data from MYSQL Workbench and loading it into SQL Server on the Raw Schema.
• Implemented an ADF pipeline specifically designed to execute a stored procedure for a full load into the staging area.
• Created ADF pipelines to sequentially execute stored procedures for all facts and dimensions on a monthly basis, ensuring timely and accurate data updates.
• Developed pipelines for log generation, enabling effective monitoring and troubleshooting of data processing workflows.

Research Intern, *IIT Ropar* 05/2021 – 07/2021
• worked on the crack resistance in dissimilar metal welds.

EDUCATION

Metallurgical and Materials Engineering, *National Institute of Technology, Jamshedpur*
CGPA - 8.27

AISSCE, *Rajkamal Saraswati Vidya Mandir, Dhanbad*
91.2%

AISSE, *Rajkamal Saraswati Vidya Mandir , Dhanbad*
CGPA - 10.00

SKILLS

SQL | Snowflake | Alteryx (Alteryx Designer Core and Alteryx Designer Advanced Certified)

Azure Data Factory | Basic PowerBI | Advanced Ms-Excel | Ms-Powerpoint

AWARDS

2nd Runner Up at Data Fiesta 2.0, *Polestar Solutions and Services*

INTERESTS

Solving Rubik's cube | Adobe Photoshop | Mimicry | Singing