Princekumar Ghoghari

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Objective

Experienced Data Engineer with 2.5 years of expertise in data pipeline development (Python, SQL, Azure Data Factory) and operational data analysis. Proven track record of creating insightful reports/dashboards (Power BI, Tableau) to drive decision-making and optimize processes. Proficient in cloud technologies (Azure, Snowflake) for streamlined data management. Built **20+ pipelines** using SQL, Python, Azure services, Airflow, SSIS, and business intelligence (BI) tools, with a real touch of ML applications.

Education

Concordia University   Montreal, QC
Master of Applied Computer Science   *Aug. 2022 - April-2024*

Sarvajanik College Of Engineering & Technology   Surat, Gujarat
Bachelors of Engineering in Information Technology   *Aug. 2016 - May 2020*
Secured 1st Rank in 8th Semester in GTU (From 18929 students)

Technical Skills

Languages : Python, SQL, T-SQL, HTML/CSS, reactJs, MongoDB
BI tools : SSIS, SSRS, SSAS
Data visualization tools : Power BI, Tableau, Matplotlib
Databases : PostGreSQL, RDBMS, Redshift, BigQuery, MySQL, SQL server
Workflow Tools : Airflow DAGS, DBT Cloud (ETL/ELT)
Cloud Platforms: Azure (Data Factory, Synapse Analytics, Analysis Services, SQL Database, Data Lake Storage Gen2), Snowflake, AWS (S3, DynamoDB)
Machine learning : Pandas, NumPy, scikit-learn, TensorFlow, and Keras
Version Control: Git/GitHub for version control and collaboration.
Developer Tools : JIRA, Docker, SQL Server Managment Studio, Excel
Framework : Azure DevOps, Agile, Scrum
Microsoft Dynamics, ERP, and CRM : D365F&O, ERP, D365CE, CRM

Experience

Business Intelligent Software Developer   May 2023 - August 2023
[Genetec Inc.](#)   *Montreal, QC, Canada*

- Developed and maintained robust ETL pipelines using Azure Data Factory (ADF) to integrate data from D365F&O, ERP, D365CE, CRM, and other sources. Leveraged Azure Data Lake Storage Gen2 to store and manage raw and processed data, ensuring data quality and accessibility for analysis through Azure services like Azure SQL Database or Azure Synapse Analytics
- Leveraged fundamental data warehouse knowledge (data modeling, wrangling, profiling, and visualization) to design and implement robust BI Reports for the business. Collaborated with internal partners to address operational challenges and drive informed decision-making through Azure-based analytics platforms.

Data Engineer   Mar. 2020 - Jul. 2022
[NEU Infotech](#)   *Surat, GJ*

- Designed and implemented a Python-based ETL pipeline to extract, transform, and load data from diverse sources into Snowflake's ODS. Improved business strategy effectiveness by enhancing data accuracy through statistical modeling and machine learning.
- Leveraged Snowflake's cloud data platform for efficient data storage, querying, and seamless integration with machine learning models. Configured AWS S3 buckets for secure and scalable staging of raw data.
- Developed SQL scripts within Snowflake for data manipulation and transformation, ensuring data integrity and consistency in the ODS. Implemented data cleansing and validation processes within the ETL pipeline, improving data quality by 10%.

Achievements

Interactive Sales Dashboard for Retail Analytics | Mahant Impex   June 2020

SQL, SSIS, Power BI, and Data Analysis

- Developed a Power BI sales dashboard for the Diamond industry, offering retail analytics to refine purchase and sales strategies. Leveraged SQL and SSIS for data integration.
- Extracted and transformed data from Diamond application using SQL queries and SSIS, ensuring accurate data retrieval and real-time updates for the dashboard.
- Demonstrated BI proficiency, translating business needs into insights, and showcasing skills in SQL, SSIS, Power BI, and data analysis.

Covid-19 Analysis Across Different Countries   April 2020

Python, SQL, and Power BI

- Developed an Airflow ETL pipeline to gather and process COVID-19 data from various sources, and built interactive reports and dashboards in Power BI to visualize trends, regional comparisons, and forecasts, providing valuable insights into the pandemic's impact across different countries.
- Conducted in-depth analyses of COVID-19 trends, performed regional comparisons, and provided forecasting to deliver valuable insights to users.

[A.I.Ducation](#) | Applied Aritifical Intelligence   September 2023 - December 2023

AI, Python, Pytorch

- Created the Neural Network to capture the facial expression of the class students. Contributed to data preparation, including cleaning and labeling a 4,000-image dataset, categorizing emotions such as Angry, Bored, Focused, and Neutral, optimizing for facial expression recognition.
- Utilized Python and TensorFlow to implement AI models, applying data augmentation and transfer learning techniques to overcome dataset limitations and Analyzed model performance using precision, recall, and F1-score metrics, contributing to iterative improvements and achieving significant accuracy in emotion detection.

AWS DynamoDB with Lambda | Distributed System Design   September 2022 - December 2022

DynamoDB, S3, EC2, Lambda, CloudWatch

- Uploaded 2+ GB CSV to S3 bucket and stored in DynamoDB using Lambda function, demonstrating big data handling ability
- Explored 4 distributed system features like auto-scaling, replication, partitioning, fault-tolerance
- Gained hands-on expertise in AWS services, serverless architecture, data storage, and cloud computing

Leadership and Extracurriculam activities

Class Representative | 3rd year in the university   SCET, Surat

Elected by peers, actively contributed to initiatives enhancing class and college reputation.

Student Core-Coordinator | Exuberance-2k20   SCET, Surat

Organized cultural event with record participation; managed logistics and coordination.

Marketing Head | GTU Techfest-2k19   GTU

Led marketing efforts across Gujarat for a major tech and management event; increased visibility and participation.

Event Manager | Converse-2k19   SCET, Surat

Managed a Provincial-level technical festival, overseeing planning, execution, and team coordination.