BHAVANI K

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Summary

Detail-oriented and analytical Data Enthusiast with a master's in information technology and bachelor's in computer science & engineering. Skilled in SQL, Python, Snowflake, and AI tools including Google Gemini. Experienced in data analysis, ETL automation, data modeling, and dashboard development using Power BI and Tableau. Currently completing Snowflake live training to enhance cloud data warehouse skills. Passionate about leveraging data-driven solutions to optimize decision-making and business outcomes.

Core Competencies

- Data Engineering & ETL (Snowflake, Snow pipe, Apache NiFi)
- Data Modeling (Star & Snowflake Schema, Feature Engineering, Trend Analysis)
- SQL Database Design & Optimization
- Azure DevOps & CI/CD Pipelines
- Data Visualization (Power BI, Tableau, Matplotlib, Seaborn)
- AI & Cloud Tools (Google Gemini, OpenAI ChatGPT, Google BigQuery, Azure Databricks)
- Git & Version Control
- Python Programming (Pandas, NumPy, Automation Scripts)
- Agile/Scrum Methodology
- REST API Integration & Data Handling

Professional Experience

Data Engineer | Hiayagriva Inc, Phoenix, AZ
Feb 2025 – Present

- Collaborated with data scientists and business analysts to define ETL, transformation logic, and data modeling requirements for high-volume datasets supporting **BI and AI** initiatives.
- Designed and deployed PySpark-based **ETL** pipelines on Azure Databricks to process 100M+ daily records, integrating with Azure Synapse Analytics for downstream analytics.
- Created and optimized Snowflake staging, transformation, and dimensional models for both structured and semi-structured data, ensuring query efficiency
- Implemented a data quality monitoring framework with automated schema validation, null value detection, and anomaly alerts via Azure Event Hubs, improving data reliability by **40%.**
- Developed **CI/CD** pipelines for **ETL** deployments using **GitHub** Actions, **Docker**, and **Azure DevOps**, reducing manual deployment efforts by **50%** and improving consistency.
- Applied query performance tuning techniques (partitioning, clustering, caching, materialized views) to reduce query runtime by up to **60%.**
- Coordinated cross-functional meetings with analytics, data science, and engineering teams to ensure timely delivery of data products for business needs.

Data Engineer Intern | Smoothhiring
May 2024 – Dec 2024

- Designed and executed **complex SQL queries** involving **joins, CTEs, and window functions** to generate weekly/monthly performance insights from large recruitment datasets.
- Built **interactive Tableau dashboards** to visualize **hiring trends, conversion funnels, recruiter efficiency**, and job performance metrics for management review.
- Automated repetitive **data cleaning and transformation** workflows in **Python (Pandas)**, reducing manual processing time by **60%**.
- Assisted in **Snowflake warehouse setup** including schema creation, role-based access controls, and performance optimization of analytical queries.
- Collaborated with recruitment and operations teams to provide **data-driven hiring recommendations**, leading to improved **applicant targeting and reduced hiring costs by 20%**.
- Developed **documentation** for SQL scripts, Tableau dashboards, and ETL workflows to ensure smooth handover to future analysts.

Software Engineering Intern | VKARFT Pvt Ltd, India | *Jan 2022 – Dec 2022*

- Supported development of **internal client dashboards** integrating **SQL-based queries** with visualization tools for operational reporting.
- Created **Python automation scripts** for API data extraction, cleansing, and report generation, improving turnaround time by **40%**.
- Designed and implemented **ETL workflows** for client data ingestion, staging, and transformation into analytical-ready datasets.
- Integrated with **REST APIs** to fetch and process **JSON/XML** data, ensuring compatibility with downstream analytics tools.
- Participated in **agile sprints**, assisting in backlog refinement, test case execution, and **cross-team collaboration** for product delivery.
- Contributed to **code reviews and documentation** for project deliverables, improving maintainability and reducing onboarding time for new developers.

Projects

- **Energy Usage Dashboard** – Processed energy consumption data using Python & PostgreSQL, visualized in Power BI, reducing manual reporting by 70%.

- **Automated ETL Pipeline** – Built Python ETL scripts for Google BigQuery with Docker & Cloud Scheduler.

- **Customer Churn Analysis** – Conducted EDA, built logistic regression model (85% accuracy), visualized results in Matplotlib & Seaborn.

- **AI-Powered Resume Optimizer** – Used Google Gemini API & Python to optimize resumes for ATS, increasing match rates by 30%.

Education

- **Masters in information technology (IT)** | Pittsburg State University, KS, USA - 2024

- **Bachelors in computer science & engineering** | Parul University, Gujarat, India – 2022

Tools & Technologies

Programming Languages: Python, SQL (T-SQL, MySQL, PostgreSQL)
Data Engineering: Snowflake, snow pipe, Apache NiFi, PySpark, Azure Databricks
Visualization Tools: Power BI, Tableau, Matplotlib, Seaborn
Databases: Google BigQuery, Azure Synapse, PostgreSQL, MySQL
AI Tools: Google Gemini, OpenAI ChatGPT
ETL & Automation: Docker, Google Cloud Scheduler, Azure Data Factory
Version Control & CI/CD: Git, GitHub Actions, Azure DevOps
Other Tools: Jupyter Notebooks, Lucidchart, Excel (Pivot Tables, Macros)