Aparna Darapaneni

2 Years Experience | USA | 716-612-0826 | aparna.darapaneni14@gmail.com | www.linkedin.com/in/aparna-darapaneni

Work Experience

Flextronics | Data Analyst   *May 2021 - April 2023*

- Led the business objects end of life data migration project, successfully migrated 1000+ reports for global clients, improve processes to ensure data integrity and seamless operations in production environment.
- Automated business logic with VBA in excel for SQL base view name creation, enhancing process efficiency by 70%.
- Engineered scalable models using Denodo, converting business objects reports to Denodo views and generating production reports, aligning them with critical customer requirements.
- Pioneered a script for automating Denodo VQL to snowflake VQL using python language and regular expressions, reducing manual effort by 60% and provided writing documentation of the script.
- Designed and managed 100+ report schedules in Denodo Scheduler using cron expressions, facilitating standardized reporting using SFTP protocol, providing production support and ensuring accuracy in ad hoc reports.
- Trained 1000+ site users on Denodo report conversion to influence efficient migration and produce reports.
- Monitored data quality across transferred reports, performing rigorous validation to move reports to user acceptance testing for report correctness, get approval to move reports to production environment.
- Created interactive dashboards using powerbi, improving business processes and strategic decision making through real-time performance monitoring of business objects reports migration.
- Collaborated with multiple cross-functional teams in enterprise data warehouse migration from Teradata to Snowflake.
- Devised shell scripts for data loading and transfer from Teradata to Amazon S3 and Amazon S3 to Snowflake, optimizing data pipelines and enhancing production process efficiency.
- Maintained data quality through comprehensive validation checks, ensuring accuracy and reliability in the relocated data using sample testing.

Projects

- Developed dashboards and a storyboard for a Book shop dataset using Tableau, enabling publishers to derive insights into book performance and enhancing stakeholder collaboration.
- Designed a database in MYSQL to track impact of alcohol on student's success considering their family, school, grade, cocurricular activity and alcohol consumption rate.
- Implemented a robust ETL data pipeline using Data Factory, store in data lake, transform using data bricks and analyze the Olympics dataset using Synapse Analytics.
- Built Insurance Claims Analysis using PostgreSQL, design database schema, load sample insurance data, conduct claims analysis to generate actionable insights, enhance performance through indexing and ensure database security by configuring roles and permissions.

Core Skills

- Database Technologies: SQL, Microsoft SQL Server, MySQL, Postgres, Oracle, Microsoft Access.
- Analytics and Business Intelligence: Microsoft Power BI, Tableau experience, Denodo, SAP Analytics Cloud, Looker Studio, Alteryx, Predictive Analytics, Python, Microsoft Office Products, Advanced Excel, quicksight.
- Data Engineering and Cloud Platforms: Microsoft Azure, core data concepts, analytics workload on Azure, non-relational data on Azure, databases, relational data on Azure, ETL, Azure Data Factory, Azure Data Lake Gen 2, Azure Databricks, Azure Synapse Analytics, Salesforce.
- Data Analysis and Visualization: Prepare the data, Model the data, Visualize and analyze the data, Manage and secure Power BI, Statistical Analysis, Data Cleaning, Data Manipulation, Exploratory Data Analysis, Data Validation, A/B testing, Graphical representation, Dashboard Development, Storytelling with Data, Custom Visuals Creation, Interactive Visualizations, Data Reporting.

Education

- University at Buffalo | Master of Science | Management Information Systems (MIS) | STEM | GPA – 3.8   *June 2024*
- Anna University | Bachelor of Engineering | Computer Science and Engineering | GPA – 3.7   *June 2021*

Certificates

Microsoft Certified: Power BI Data Analyst Associate – PL 300, Microsoft Certified: Azure Data Fundamentals – DP 900, Statistics, Data Warehousing, Looker Studio, SAP Analytics, Alteryx, Google Data Analytics Professional Certificate, Data Science with python, Lean Six Sigma Green Belt, Complete Guide to SQL for Data Engineering: Beginner to Advanced.

Publications

Co-authored publication in IOS press on Intelligent Systems to Predict and Diagnose Benign and Malignant Skin Lesions, providing actionable insights in the healthcare domain.