

Pranitha Poosa

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Education

Northeastern University

M.S. in Information Systems

Expected graduation date: May 2024

GPA: 3.79/4.00

Relevant Courses: Data Management and Database Design, Data Science Engineering Methods and Tools, Algorithmic Digital Marketing, Generative AI with LLMs in Data Engineering

VNR Vignan Jyoti Institute of Technology

B.Tech. in E.C.E.

2016-2020

GPA: 3.7/4.0

Relevant Courses: Multivariate Calculus, Linear Differential Equations, Statistics, Probability, Relational DBMS

Experience

Cognizant Technology Solutions

Jul. 2020 - Jul. 2022

Analyst

Python, SQL, Google BigQuery, PEGA, Tableau

- Designed a workflow based solution for a client's network infrastructure project and simplified the communication across the base regions
- Leveraged PEGA as the primary integration tool for data analysis and UI development
- Effectively utilized BigQuery as storage to extract and store data from the client's Workfront system
- Integrated Tableau dashboards, connecting to the Google BigQuery, into the workflow based on generated data providing valuable insights into the day-to-day operations
- Demonstrated exceptional test case management skills and maintained a 94% guardrail compliance score throughout the contract

Projects

NYPD Arrest Data(Historic) Analysis

Tableau, BigQuery, Python

- Conducted research to fabricate a data integration model for dimensional modeling using 1M records.
- Utilized technical solutions such as BigQuery to query on top of the relational database and performed data pre-processing and cleaning using Python programming language.
- Created interactive tableau dashboard to analyze and recognize patterns and trends in New York City police enforcement activity. Published it in [Tableau Public](#)

Ergast F1 Race Data Analysis

SQL, Snowflake, PowerBI (DAX), AWS S3, DBT

- Implemented ELT processes for Ergast F1 car race data. Loaded data with various file types like csv, split json from S3 bucket to Snowflake Data Warehouse
- Leveraged DBT on top of Snowflake schema for data modeling and transformation, structuring races data into organized dimensions such as drivers, teams, circuits, and races, facilitating efficient analysis
- Developed dynamic PowerBI reports and dashboards utilizing DAX (Data Analysis Expressions) for advanced calculations and visualizations to gain actionable insights into race performance

Weather Data Analysis

Spark, GCS, BigQuery, Apache Airflow

- Implemented a batch weather data processing pipeline by first feeding raw data from various sources into GCS raw
- Processed data in pySpark was ingested into the lake area, employing partitioning based on first date & then location columns and stored in parquet format
- Orchestrated the data workflows using Apache Airflow to automate tasks and manage dependencies between tasks. Scheduled the DAG to run at a scheduled interval ensuring the data is updated

Skills

Specializations: Data Warehousing, Data Modeling, ELT, Data Visualization, Business Intelligence

Statistical Analysis & M/L: Hypothesis Testing, A/B Testing, Regression, Classification, Clustering, Decision Tree

Programming languages: SQL, Python (Numpy, Pandas)

Visualization: Tableau, Power BI, Advanced Excel, Google Analytics, Looker

MS Excel: Macros, VBA, Pivot tables, VLookup

Tools: ER Studio, Snowflake, DBT, Linux, Microsoft Office Suite - Powerpoint, Word, SQLServer, MySQL, MongoDB

Certifications

TDS-C01 Tableau Desktop Specialist