

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 Vignana Jyothi 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

Nov. 2020 - Jul. 2022

Data Analyst

Python, SQL, Google BigQuery, Tableau

- Designed and executed a workflow solution aimed at enhancing communication efficiency across base regions within a client's network infrastructure project.
- Utilized Python for conducting robust data analysis and Google BigQuery as storage to extract and store data from client's workfront system.
- Created Tableau dashboards and ad-hoc reports based on generated data to provide valuable insights into the day-to-day operations and business use cases.
- Demonstrated exceptional data quality assurance skills and maintained a 94% compliance score.

Projects

NYPD Arrest Data(Historic) Insights

Tableau, BigQuery, Python

- 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 for NYC Arrest data.
- Created interactive tableau dashboards to analyze and recognize patterns and trends in New York City police enforcement activity. Published it on [Tableau Public](#).

F1 Race Data Analysis

Excel, PowerBI (DAX), Power Query

- Implemented data transformations on F1 race data using Power Query Editor, performed data modelling to design a Snowflake schema and generated dimensions and facts tables.
- Developed dynamic [PowerBI reports](#), utilized DAX (Data Analysis Expressions) for advanced calculations, and demonstrated the KPIs regarding the Formula One racing details.

Data Transformations Pipeline for Retail Data

DBT, Snowflake, SQL, Snowsight

- Built a data transformation and analytics pipeline for TPC-H benchmark dataset by fetching data from Snowflake.
- Effectively used DBT to stage the data and created models to apply transformations as well as create fact tables.
- Visualised the data to show the sales through each quarter using Snowsight Dashboards.

Legal Insights Engine

PySpark, Neo4j, Python, Streamlit, Apache Airflow

- For the CaseLaw Access Project (CAP) dataset, a chunk of data containing the history of all legal cases is pre-processed and transformed using pySpark and curated a knowledge graph in Neo4j DB.
- Implemented Retrieval Augmented Generation(RAG) leveraging LLMs with graph as knowledge base enabling contextualized semantic search and graph based similarity for recommendations.
- Orchestrated the entire pipeline using Apache Airflow.

Skills

Specializations: Data Warehousing, Statistics (A/B Testing), Data Modeling, ETL/ELT, Machine Learning

Programming languages: SQL, Python, Apache Spark, HTML, CSS, Bash

BI Tools: Tableau, Power BI, Qlik Sense, Alteryx

MS Excel: Macros, VBA, Pivot tables, VLookup

Tools & Methodologies: Snowflake, Apache Airflow, DBT, Microsoft Office Suite - Visio, Word, Powerpoint, MySQL, Agile, JIRA

Certifications

TDS-C01 Tableau Desktop Specialist