TEJASWI PALLAPOTHU

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Education

University of Illinois at Urbana-Champaign, United States Aug 2023 – May 2024
Masters of Science in Business Analytics GPA: 3.85/4

Narsee Monjee Institute of Management Studies, MPSTME, India July 2017 – Jun 2021
Bachelor of Technology in Information Technology GPA: 3.36/4

Experience

Quantiphi Analytics Private Limited Mumbai, India
Data Engineer Nov 2021 – June 2023

- Migrated ETL jobs from Informatica to AWS cloud native solution achieving 92% reduction in data load time into Redshift
- Architected and implemented data ingestion into a NoSQL Database (DynamoDB) ensuring uninterrupted ETL operations.
- Enhanced ETL job monitoring efficiency to reduce the need to use AWS console to check multiple job statuses by developing a UI using API Gateway.
- Developed an AWS cloud-native auditing tool called Audit Balance and Control (ABC), significantly reducing data defects by 71% per month.
- Designed a proof of concept for redesigning the ABC pipeline to avoid data redundancy in case of failure.

Quantiphi Analytics Private Limited Mumbai, India
Data Engineering Intern July 2021 – Nov 2021

- Optimized data models for an insurance client for better query performance by restructuring the tables using key query performance metrics leading to generate faster insights.
- Designed multiple ETL pipelines in AWS and GCP to create dashboards using Tableau and Looker with data from Kaggle.

Projects

Real time Stock Screening Dashboard | *Python, PySpark, AWS, Tableau*

- Developed an ETL pipeline on AWS, utilizing services such as Amazon S3, AWS Glue, and S3 to scrape and analyze stock data from Alpha Vantage, enabling seamless integration with Tableau for insightful dashboard creation.

Sentiment Analysis of Covid-19 tweets in India | *Python, Web scraping Dash, IBM CloudantDB, IBM Watson Tone Analyzer*

- Created a Dash web application that displays a live dashboard of the sentiments of tweets predicted by using VADER sentiment Analyzer and IBM Watson Tone Analyzer, deployed in IBM cloud.

ETL-Powered Flight Delay Analysis with Tableau | *Python, AWS, Tableau*

- Developed an ETL pipeline on AWS, utilizing services such as Amazon S3, AWS Glue, and Amazon Athena to process and analyze flight data, enabling integration with Tableau for insightful dashboard creation.

Technical Skills

Languages: SQL, Python, C++, Shell Scripting
Tools: Tableau, Vim, Jupyter Notebook, Visual Studio Code, MySQL Workbench, DBVisualiser, Informatica, Git, AWS (DynamoDB, Redshift, API Gateway, ECS, EC2, Step Functions, Lambda, SNS, SQS, Cloudwatch)
Others: AWS Certified Solutions Architect Associate, Data Modelling, Data Warehousing