DHEERAJ KANAPARTHY

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Experienced Data Analyst with over **4 years' experience** in designing, building, and maintaining scalable data pipelines and databases. Proficient in SQL, Python, AWS, Snowflake and data visualization tools like Tableau and Power BI. Adept at working with cross-functional teams to translate business requirements into technical specifications and deliver actionable insights through data analytics.

Professional Experience

Data Analyst, Glaubentree techno solutions, Hyderabad, India   August 2020 – December 2022

- Delivered a **2X** ROI by designing and executing data-driven exporting and manufacturing strategies for a Pharma client, leveraging collaboration with manufacturing, marketing, and sales units.
- Extracted and pre-processed over **20 million** records using python, enabling comprehensive analysis of drug manufacturing requirements and export trends.
- Used Power BI to create interactive and compelling visual representations of data which tracks **20+ KPIs**.
- Utilized Snowflake to automate ETL workflows, and streamline ingestion and transformation of data, significantly minimizing manual effort and improving operational efficiency by **70%**.
- Leveraged diverse analytical methods to uncover and interpret trends in complex datasets, resulting in actionable insights that led to **22%** reduction in operational issues.
- Responsible for ETL development with successful design, development, and integration of components within the Snowflake ETL platform.

Data Analyst, Vodafone, Pune, India   January 2019 – August 2020

- Orchestrated a **6%** upswing in revenue using customer feedback data from webchat queries and call data records. Employed Python for cleaning and exploratory data analysis (EDA) and leveraged NLP to segment customer issues.
- Assisted in data mining, ETL development and Operations by creating data processing graphs using Ab-initio reducing processing time by **21%** for a Datawarehouse managing over **1TB** of daily data.
- Implemented Data Warehousing operations in production environment with Teradata and improved efficiency by **32%**.
- Created the Data Visualization dashboards and reports using Tableau, SQL, and Excel to track key performance metrics and enabling real-time monitoring resulting in increase of efficiency by **12%**.
- Refined **15+ ETL** pipelines and effectively presented insights using Tableau dashboards.

Data engineer Intern, ECIL, Hyderabad, India   Apr 2017 – June 2017

- Collaborated with data engineers and the operation team to implement ETL process, wrote and optimized SQL queries to perform data extraction to fit the analytical requirements.
- Engineered and executed complex SQL queries to extract critical insights from Sales data marts, resulting in a **15%** increase in sales conversions and a **20%** boost in revenue growth.
- Demonstrated proficiency in creating dynamic visualizations using Python libraries such as Pandas, NumPy, Matplotlib, and Scikit-learn.

Professional Certification

- AWS Certified Cloud Practitioner
  July 2023

Projects

ANT Trucks Risk analysis and recommendations (Cloudera VM, Hadoop, Hive, Impala, Tableau)   Dec 2023

- Utilized a virtual machine to move files to HDFS, defined tables in Hive for all CSV files and populated the risk factor tables which were imported to Tableau using ODBC driver for exploratory data analysis.
- Designed Dashboards using Tableau and analyzed how to prevent the road accidents in California state in which trucks are involved using various factors like risk factor, velocity, truck model and number of accidents.

Virtual Internship with Quantium   March 2023

- Conducted comprehensive analysis of supermarket sales data including customer segmentation, trial store performance evaluation, and hypothesis testing, to derive actionable insights for optimizing layout and enhancing sales effectiveness.
- Utilized python programming to perform statistical analysis and present findings through informative visualizations.

Technical Skills

- Programming Languages: SQL, PL/SQL, NoSQL, Python (Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, ggplot2, NLP),R
- Database: MySQL, PostgreSQL, MongoDB, Oracle, HBase
- Cloud: AWS - EC2, Lambda, S3, IAM, EMR, Amazon QuickSight, Amazon Redshift, SageMaker
- Machine Learning - Linear Regression, Logistic Regression, Decision Trees, SVM, Random Forest, Scikit-Learn, K-Means Clustering
- Visualization: Tableau, PowerBI, Excel, Alteryx.
- Other Tools: Control-M, Ab-initio, Git, Snowflake, PySpark, Databricks

Education

The University of Texas at Dallas, Richardson, TX   May 2024
Master of Science, Information Technology and Management (Data analytics concentration)
Relevant Courses: Big Data, Object Oriented programming with Python, Database Foundations for Business Analytics, Data Visualization, Cloud Computing, Advanced Statistics for Data Science, Business Data Warehousing, and Spreadsheet Modelling and Analytics
Vellore Institute of Technology, Vellore, India   April 2019 Bachelor of Technology, Electronics and Communication Engineering
Relevant Courses: Problem Solving and Programming, Statistics for Engineers, Business Analytics for Engineers