

DINAKER REDDY

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SUMMARY

Data Analyst with 4 years of experience in Finance and IT sectors, specializing in SQL, Power BI, and Tableau for data visualization and business intelligence reporting. Adept at data extraction, transformation, and analysis using SQL (MySQL, MS SQL Server), Python, and ETL pipelines. Proven ability to develop interactive dashboards, automate reporting processes, and optimize SQL queries, leading to 30% efficiency gains in data-driven decision-making.

Work Experience

Fitch Ratings

August 2023 – present

Data Analyst

United states

- Developed a real-time data ingestion pipeline using **Python and Kafka**, optimizing financial data processing for risk assessment and forecasting. Stored structured data in **PostgreSQL on AWS**, improving query response times by 40%
- Deployed data processing applications on **AWS EKS**, ensuring 99.9% uptime and scalable data pipelines for automated financial reporting
- Automated customer reporting workflows using Python and SQL, reducing report delivery time by 50% and improving data accuracy for stakeholders.
- Implemented **CI/CD** pipelines using **Bamboo**, reducing data pipeline deployment time by 40% and minimizing manual intervention in data updates.
- Managed and optimized Enterprise Analytics solutions, ensuring data accuracy, consistency, and accessibility for key business stakeholders.
- Led the design, implementation, and governance of data storage solutions, improving data accessibility and performance
- Performed data migration to **Snowflake** from traditional data warehouses, ensuring minimal downtime and maintaining data integrity during migration to a cloud-based environment.

Technologies Utilized: Python, Kafka,AWS,EKS.

Citibank

January 2021 – August 2022

Data Analyst

Mumbai, India

- Worked closely with clients to gather, analyze, and translate requirements into actionable data specifications, using analytical tools to interpret data, identify trends, and deliver insights that met client needs.
- Automated financial transaction data cleaning using **Python**, reducing data processing time by 30% and increasing data accuracy for risk assessment models.
- Utilized **Power Query** to import, clean, and transform data from various sources, including SQL databases, Excel, and cloud services, ensuring accurate and up-to-date information for analysis.
- Created custom **DAX** (Data Analysis Expressions) measures and calculated columns to enhance data analysis capabilities and generate complex calculations and KPIs in **Power BI** reports.
- Led the creation of interactive dashboards and reports leveraging **Power BI**, elevating data visualization capabilities and empowering strategic decision-making with real-time business intelligence.
- Utilized **Power BI and Microsoft Excel** for data analysis and report generation, resulting in a 70% increase in data-driven decision- making accuracy.
- Developed **Azure Data Factory ETL pipelines** to integrate data from SQL Server, Azure Blob Storage, and Snowflake, reducing data processing latency by 40%.
- Developed Azure Data Factory ETL pipelines to automate data ingestion, transformation, and storage from SQL databases to Azure SQL Data Warehouse, reducing ETL latency by 40% and ensuring real-time data availability for stakeholders.
- Wrote optimized **SQL queries** for efficient data retrieval and reduced the runtime of SQL Queries by 2 seconds.
- Designed **PySpark workflows** to process 1M+ financial records, reducing data preprocessing time by 40% and enabling faster financial risk analysis.
- Managed and tracked project tasks using **JIRA**, ensuring seamless communication between cross-functional teams and timely completion of data analysis assignments.

Technologies Utilized: Python, Microsoft SQL Server,Microsoft Azure,Microsoft Power BI.

Tezo

July 2019 – January 2021

Data Analyst

Hyderabad, India

- Applied **Python** for data cleaning, transformation, and statistical analysis, ensuring dataset reliability and accuracy for analytics.
- Developed complex **MySQL** queries with correlated subqueries, window functions, and CTEs to track key user activity metrics such as retention rate and daily active users, achieving a 25% improvement in data retrieval efficiency.
- Optimized **MySQL** query performance using indexing and tuning techniques, reducing execution time by 40% for datasets exceeding 10 million records, resulting in faster decision-making.
- Utilized **T-SQL** to perform data aggregation for reporting, employing multiple joins, subqueries, and CTEs for efficient data extraction, leading to a 30% reduction in report generation time.
- Created and maintained interactive dashboards in **Power BI** to track KPIs and product performance, integrating data from MS Excel, AWS S3, AWS RDS, AWS Redshift, JSON, and XML sources, which enhanced reporting accuracy by 20%.
- Built and optimized **ETL** pipelines to extract and integrate data from Salesforce into a cloud-based data warehouse using Python and SQL, streamlining advanced analytics and reducing manual efforts by 35%.
- Designed and maintained **Excel** spreadsheets to track operational metrics and facilitate data-driven decision-making, contributing to a 15% increase in operational efficiency.
- Partnered with marketing and sales teams to analyze campaign performance, providing actionable insights to optimize promotional strategies, resulting in a 10% increase in campaign ROI.
- Developed and implemented machine learning models, including **Decision Trees** and **Logistic Regression**, to predict customer revenue and support marketing decisions, leading to a 20% improvement in revenue forecasting accuracy.
- Conducted **A/B testing** to evaluate and improve website user experience, increasing user engagement by 18%.
- Spearheaded the migration of **1TB+ data** to AWS Redshift, reducing query response times by 50%.
- Implemented predictive modeling techniques to optimize patient care pathways, improving health outcomes and reducing hospital readmission rates by 20%.
- Managed the integration of disparate data sources, including electronic health records (EHR) and claims data, creating comprehensive patient profiles that support personalized care management and population health initiatives.

Technologies Utilized: Python, MySQL, T-SQL, Power BI, Tableau, AWS S3, AWS RDS, AWS Redshift, Salesforce CRM, Machine Learning (Decision Trees, Logistic Regression)

Projects

- India imports and exports dashboard using Tableau.** | *Tableau, excel*
- Integrated diverse data sources to provide a comprehensive view of India’s import/export activities.
- FIFA World Cup 2022 Analysis** | *Microsoft SQL Server*
- Utilized SQL to analyze FIFA World Cup 2022 data, extracting insights on match statistics, player performance, and team strategies.
- Disease Prediction and Drug Recommendation using Machine Learning** | *Python, Excel*
- Built a disease prediction model using Python and scikit-learn with 90% accuracy, deploying it via Flask to recommend personalized drug treatments based on patient symptoms.

Technical Skills

Programming Languages: Python, SQL, Java, C/C++,R.

Database: MySQL, Oracle, PostgreSQL, MS SQL server.

Visualization Tools:: Tableau, PowerBI,Excel

Frameworks: Scikit-Learn, Matplotlib, Numpy, Pandas, Flask, TensorFlow, PyTorch, GraphQL.

Technologies/Frameworks: Linux, Jenkins, GitHub, Web scraping, Data analysis, Data collection, Feature engineering, ETL, Azure Data Factory (ADF), Azure Synapse Analytics, Alteryx ,Azure Databricks. ,Statistical analysis,AWS S3, Glue, Redshift, Athena, Lambda,Salesforce CRM, Excel,Modeling, SSMS, SSRS, SSIS, Azure, Agile Methodology, SDLC.

Education

Florida International University (FIU)	Aug. 2022 – May 2024
<i>Master of Science in Computer Science , Grade:3.87/4</i>	<i>Miami, Florida</i>
IARE, India	Aug. 2016 – May 2020
<i>Bachelors of Science in Computer Science, Grade:8.31/10</i>	<i>Hyderabad,India</i>

Certification / Extracurricular Activities

- Data Analytics Essentials by Cisco. [\[certificate\]](#)
- Programming for Everybody (Getting Started with Python),Python Data Structures,Using Databases with Python by University of Michigan from Coursera [\[certificate\]](#) [\[certificate\]](#)
- Competed in Hackathon conducted by the LTIMINDTREE and are in top 10 teams to implement a project.
- HTML, CSS, and Javascript for Web Developers by Johns Hopkins University from coursera. [\[certificate\]](#)