

Dheeraj Reddy Data Analyst

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Summary :

Detail-oriented Data Analyst with 3 years of experience in advanced analytics, data visualization, and statistical modeling to drive informed decision-making. Proficient in SQL, Python, and Excel, with a strong ability to extract insights from complex datasets and present findings to stakeholders. Skilled in ETL processes, data warehousing, and predictive analytics within cloud environments. Excellent communication and problem-solving skills, with a collaborative approach to achieving data-driven goals.

Technical Skills :

- **Programming Languages:** Python, SQL, R, NoSQL, Shell, HTML, CSS
- **Frameworks & Tools:** NumPy, Pandas, Matplotlib, Git, GitHub, Docker, CI/CD, Statistics, SAS, Agile, Hadoop, Hive, PySpark, Seaborn, Jira, KPI, ggplot2, AWS Cloud, Google Cloud Analytics, Microsoft Azure, Apache Kafka
- **Databases:** MS-SQL, MySQL, Redshift, Snowflake, Big Query, PostgreSQL, MongoDB, Spark SQL, Oracle
- **Data Analysis / ETL:** Power BI, Tableau, Data Bricks, MS Excel, Google Analytics, Machine Learning, Data Modeling, Data Mapping, Data Mining, Data Extraction, Transformation, Azure DevOps, Azure Synapse Analytics, SAP ERP, ETL

Professional Experience:

Data Analyst, JP Morgan

01/2024 – Present | USA

- Leveraged Python and SQL to clean and analyze large stock market datasets, and addressed issues like missing values, transforming raw data into actionable insights for optimized trading strategies and investments.
- Verified stock market data with financial sources, using SAS for statistical methods, and improved data accuracy by 85% and relevance by 92%, applying KPIs to monitor and enhance data quality for analysis.
- Built predictive models and statistical analyses that reduced transaction-processing time by 25%, enhancing trading efficiency and informing strategic investment decisions.
- Employed AWS S3 for secure storage and Athena for analyzing up to 1TB of complex stock market data, extracting valuable insights to enhance decision-making and operational efficiency.
- Used Git for version control to enhance transparency in data cleaning, conducted quality checks that improved efficiency by 30%, and created 15 reports and visualizations in Power BI for stakeholders.

Programmer Analyst, Cognizant Technology Solutions

08/2021 – 07/2022 | India

- Maximized system performance by effectively leveraging Oracle Fusion Applications within Oracle Cloud Database infrastructure, achieving a 20% increase in operational efficiency.
- Demonstrated precision in data analysis by identifying and rectifying program errors with a 98% accuracy rate, ensuring reliable outcomes and enhancing system reliability.
- Maintained software solutions that improved data retrieval efficiency by 30%, generating over 30 detailed reports monthly to support data-driven decision-making.
- Optimized data visualizations and interactive dashboards in Oracle Transactional Business Intelligence, resulting in a 40% improvement in client data visualization and decision-making processes.

Data Analyst, Magna Info Tech

06/2020 – 07/2021 | India

- Conducted data cleaning and transformation using Python (Pandas) and SQL, optimizing data quality and reducing processing time through automation, leading to more accurate and efficient analysis.
- Implemented automated data quality monitoring processes using Python and SQL, resulting in reduction in data discrepancies and ensuring consistent, high-quality data for analytical reporting
- Developed and maintained automated data pipelines using Apache Airflow, ensuring timely data delivery and reducing manual intervention, which streamlined the reporting process and improved data accuracy.
- Analyzed trends and customer behavior using advanced statistical techniques, identifying growth opportunities and increasing customer retention rates, contributing to overall business growth and improved performance.
- Designed an interactive Tableau dashboard to visualize sales performance and track KPIs for over 50 products, providing real-time insights and improving decision-making, which increased sales efficiency by 20%.

Education:

Master of Science, Computer Science
University of Maryland Baltimore

08/2022 - 05/2024 | Maryland, USA

Bachelor of Technology, Computer Science
CMR College of Engineering and Technology

06/2017 - 05/2021 | Hyderabad, India