Ram Kiran Meduri

DATA ANALYST

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Education

Master of Science in Computer Science - University Of Dayton, Ohio, USA

Bachelor of Technology in Computer Science and Engineering - IFHE Foundation for Higher Education, Hyderabad, India

Skills

Methodologies: SDLC, Agile, Scrum, Waterfall

Language: Python, SQL, R, C, C++ , Matlab

Packages: NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, TensorFlow, Seaborn

Visualization Tools: Tableau, Power BI, Advanced Excel, DAX, Snowflake, Alteryx

IDEs: Visual Studio Code, PyCharm, Jupyter Notebook

Database Management: MySQL, PostgreSQL, SQL Server, Oracle

Cloud Platforms: Microsoft Azure,AWS,GCP

Other Technical Skills: SISS, SSRS, Machine Learning Algorithms, Probability distributions, Confidence Intervals, ANOVA, Hypothesis Testing, Regression Analysis, Linear Algebra, Advance Analytics, Data Mining, Data Visualization, Data warehousing, Data transformation, Data Storytelling, Data Pipelines, Association rules, Clustering, Classification, Regression, A/B Testing, Forecasting & Modeling, Data Cleaning, Data Wrangling, Jira, Git, Github

Soft Skills: Time Management, Leadership, Strategy Planning, Problem-Solving, Negotiation, Decision-Making, Documentation and Presentation, Verbal Communication

Operating System: Windows, Linux

Summary

- Data Analyst with 4 years of experience in the development of analytical platforms and solutions to drive insights and improve outcomes in the healthcare and finance sectors.
- Proficient in SQL, Python, and R for data extraction, transformation, analysis, and modeling tasks.
- Expertise in designing and implementing interactive dashboards using visualization tools such as Tableau, Power BI, and Advanced Excel for real-time insights and reporting.
- Developed custom calculated measures using DAX in Power BI to satisfy business requirements.
- Familiarity with cloud platforms such as Microsoft Azure, AWS for scalable and cost-effective data storage and processing.

Professional Experience

Data Analyst | Cardinal Health, TX **Jun 2023 – Present**

- Led the creation of a Patient Outcome Analytics platform at Cardinal Health to monitor and analyze patient health data, treatment efficacy, and healthcare quality metrics across the network.
- Collaborated with clinical teams and experts to define KPIs and develop a data model integrating disparate patient data sources like EHRs, claims data, and patient-reported outcomes.
- Utilized SQL Server and Python for data extraction, transformation, and loading into a centralized data warehouse, ensuring data quality and compliance with regulatory requirements.
- Facilitated data transfer between BigQuery and Azure Data Warehouse through Azure Data Factory (ADF) and devised complex DAX language expressions for memory optimization in reporting cubes within Azure Analysis Services (AAS).
- Designed and automated ETL processes using SQL Server Integration Services (SSIS) for efficient data ingestion and maintaining up-to-date patient data.
- Developed interactive Tableau dashboards for healthcare providers to access real-time insights on patient outcomes, treatment effectiveness, and areas for improvement.
- Applied advanced analytics, predictive modeling, and machine learning to identify risk factors, predict adverse events, and personalize treatment plans, resulting in a 15% reduction in readmission rates.
- Leveraged Databricks and PySpark for scalable data processing and analysis, enabling efficient handling of large volumes of healthcare data
- Conducted root cause analysis and data mining techniques to investigate data quality issues, implement data cleansing processes, and establish data governance protocols, improving overall data integrity by 22%.

Data Analyst | HCL Tech, India **Jul 2019 – Aug 2022**

- Conducted financial data analysis using SQL for extraction and Python (Pandas) for manipulation to evaluate investment trends and portfolio performance.
- Developed predictive models with scikit-learn to forecast financial market trends, optimizing investment strategies and achieving a 10% increase in portfolio returns.
- Implemented a financial reporting dashboard system using Power BI to track and visualize key financial metrics, including revenue, expenses, and profitability.
- Utilized Python (Pandas, NumPy) and SQL for exploratory data analysis of financial datasets, identifying patterns and anomalies for informed investment decisions.
- Implemented AWS services such as EC2, S3, and RDS to optimize data storage and processing, reducing operational costs by 20% while improving scalability and reliability..
- Monitored and reported on financial KPIs such as ROI, net profit margin, and cash flow, offering insights for strategic decision-making and performance assessment.
- Employed process mining tools to analyze financial processes, pinpoint bottlenecks, and achieve a 20% enhancement in operational efficiency and cost savings.
- Integrated financial transaction data into analytical workflows, enabling comprehensive analysis of customer behavior and spending patterns.