Vinay Kumar Camarushi

Data Analyst, Overland Park, KS

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SUMMARY

- Around 5 years of experience in data analysis, report creation, and SQL scripting, with strong skills in requirements gathering, data collection, and developing insightful reports to drive informed decision-making.
- Designed insightful dashboards using Tableau, Power BI, and Looker Studio, leveraging engaging data visualizations to convey insights and present data-driven narratives.
- Hands-on experience with data modeling concepts, including dimensional and relational modeling, such as Star Schema, Snowflake Schema, and designing Fact and Dimension tables.
- Reduced cloud expenses by optimizing data storage and processing costs on Azure through the efficient use of managed services like Azure Blob Storage, Azure SQL Database, and Azure Data Lake Storage.
- Proficient in building predictive models using machine learning algorithms, including linear regression, logistic regression, decision trees, and random forests, to forecast trends and predict outcomes.
- Leveraged SQL to extract and analyze large datasets from diverse sources, uncovering key insights that supported data-driven business decisions.

EDUCATION

Master of Computer Science

University of Central Missouri, Lee's Summit, MO

B. Tech in Electronics & Communication Engineering

SRKR Engineering College, Andhra Pradesh, India

TECHNICAL SKILLS

- **Languages:** Python, R, SQL, SAS
- **Packages:** NumPy, Pandas, Matplotlib, SciPy, ggplot2, Scikit-learn, TensorFlow, Keras, seaborn
- **Software/IDEs:** Visual Studio Code, Jupyter Notebook, Talend
- **Visualization Tools:** Tableau, Power BI, Advanced Excel (Pivot Tables, Power Query, Macros & VBA, Lookups, Dates), Alteryx, Google Analytics, Looker Studio
- **ETL & Cloud:** SSIS, Informatica, Azure (Data Lake, Databricks, Data Storage, Data Factory, Azure App Service, Azure SQL Database, Azure Blob Storage), AWS
- **Data Mining and Exploration:** Knime, Web Scraping (Scrapy)
- **Database:** MySQL, SQL Server, MongoDB
- **Other Skills:** Data Cleaning, Data Wrangling, Data Warehousing, Data Mapping, Data Modeling
- **Operating System:** Windows, Linux, MacOS

CERTIFICATIONS

- Microsoft Certified Data Engineer Associate (DP - 203)
- Microsoft Certified Data Analyst Associate (PL-300)
- Microsoft Certified Azure Fundamentals (AZ-900)
- Microsoft Certified Data Fundamentals (DP-900)

PROFESSIONAL EXPERIENCE

Wayfair, Kansas, USA ***Jan 2024 – Present***

Data Analyst

- Conducted Seaborn analysis to identify a previously unknown customer segment with high online grocery order value, leading to a targeted marketing campaign that resulted in a 30% increase in online grocery sales.
- Applied Python libraries, including scikit-learn, to develop and train a churn prediction model with 10% improved accuracy, enabling the identification of at-risk customers and facilitating targeted retention strategies.
- Managed and optimized the performance of the Snowflake platform by executing query performance tuning strategies, troubleshooting issues, and improving user experience by 50%.
- Designed and implemented ETL pipelines using Azure Data Factory to extract, transform, and load data into Azure Data Warehouses, streamlining data integration processes and reducing data errors by 40%.
- Developed over 50 DBT models, macros, and Excel VBA scripts to automate data transformation and loading processes, reducing manual effort by 60%.
- Utilized Azure SQL Database's integration with Azure Synapse Analytics and Azure Machine Learning to perform advanced analytics, enabling data-driven decision-making.
- Developed comprehensive ETL packages using SSIS for data validation, extraction, transformation, and loading into Data Warehouse and Data Mart databases, ensuring efficient data management.
- Wrote and optimized complex SQL queries to extract and transform large datasets from PostgreSQL databases, retrieving over 1 million records for in-depth analysis.

TATA Consultancy Services, India ***Jan 2021 – Jul 2022***
Data Analyst II

- Extracted and preprocessed nearly 2 TB of data from various sources (databases, APIs) using Python, performing thorough data cleaning including outlier detection and removal (15%), leading to a 10% improvement in predictive model accuracy.
- Implemented data-driven strategies to optimize the recruitment process, reducing time-to-fill positions by 15% and improving candidate selection efficiency.
- Conducted data cleaning, screening, exploration, visualization, feature selection, and engineering using Python libraries such as Pandas, NumPy, Scikit-learn (Random Forests), and Matplotlib.
- Applied machine learning techniques using scikit-learn to build predictive models, uncover patterns, and extract valuable insights from complex datasets.
- Enhanced data-driven decision-making by 25% through the use of Looker's advanced visualization and analytics features.
- Designed and implemented SSIS packages to automate the ETL process for data warehouses, significantly reducing manual effort and improving data processing speed by 20%.
- Utilized SQL, VBA, and Excel to extract and analyze large datasets from various sources, uncovering critical insights that informed data-driven business decisions.
- Developed interactive Power BI reports using advanced DAX and Power Query modeling techniques to provide deeper insights and support informed decision-making.
- Utilized Azure Databricks to perform advanced data analysis and machine learning tasks on large datasets, boosting data-driven decision-making by 25%.

Vision Healthcare Solutions, India ***Aug 2018 – Dec 2020***
Data Analyst

- Developed interactive Power BI and Tableau dashboards to map customer journeys, identify key touchpoints, and measure customer preferences throughout their lifecycle. These visualizations provided actionable insights, boosting customer engagement, experience, and satisfaction.
- Created a range of data visualizations, including histograms, scatter plots, and boxplots, using Matplotlib and Seaborn to effectively communicate complex insights to stakeholders, resulting in a 30% improvement in decision-making efficiency.
- Leveraged Azure Data Factory to automate data ingestion and transformation processes, reducing manual effort by 50% and ensuring consistent data quality.
- Extracted and cleaned terabytes of data from relational databases (MySQL) and cloud data warehouses (Snowflake) for analysis, ensuring data accuracy and cutting analysis time by 20%.
- Developed automated data cleaning routines using Python and SQL scripts for large datasets, increasing the efficiency of data analysis by 20%.
- Enhanced the quality of supplier delivery schedules through data cleaning techniques, leading to more accurate forecasts and fewer delays in product deliveries.
- Partnered with marketing teams to design and implement A/B tests, measuring the impact of marketing campaigns on ROI.