SAI TEJA DASARIRAJU

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PROFESSIONAL SUMMARY

Experienced data analyst skilled in using Python, SQL, and Tableau for data manipulation, analysis, and visualization to provide actionable insights. Also, skilled in data mining, cleaning, and reporting, with a proven track record of driving business growth and supporting data-driven decisions. I'm eager to secure a position as a Data Analyst/Data Scientist, leveraging my data analysis expertise to drive informed business decisions.

SKILLS

Programming Languages: SQL, Python, R, Python packages (NumPy, Pandas, Matplotlib, Scipy, Seaborn, SK-Learn, Keras, SparkML, Plotly), Unix, C.
Tools: Power BI, Tableau, Anaconda (Spyder/Jupyter), MS Office Suite, MS-SQL, SAP Analytics, SAS Enterprise Miner.
Cloud Services & Other Skills: AWS, Microsoft Azure, JIRA, ServiceNow, GitHub.
Frameworks & AI Tools: Flask**,** Hadoop, Pyspark, Apache Hive, Impala, Amazon Sagemaker, IBM Watson Studio, Databricks.
Data Analytics: Machine Learning Algorithms (Regression, Classification, Time Series), NLP, NLU, Statistical Analysis, EDA.

EDUCATION

Master of Science | **Computer & Information Sciences**   May 2023
Western Illinois University (WIU) – Macomb, IL

Bachelor of Engineering | **Computer Science Engineering**   June 2021
Mahendra Engineering College, Anna University –Chennai, India

EXPERIENCE

Advithri Technologies LLC – Data Engineer, Frisco, Texas, United States.   May 2023 – Till Date
- Developed and implemented ETL processes to improve data quality, resulting in a **20% increase in data accuracy**.
- Partnered with data scientists to create data pipelines, **boosting data accessibility by 40%.**
- Conducted in-depth data analysis to uncover valuable patterns and trends in customer behavior.

Infosys – Data Analyst, Hyderabad, India   Aug 2020 – Dec 2021
- Achieved a 35% reduction in duplicate patient records by introducing an **innovative data deduplication process.**
- Implemented a new data quality control process that reduced errors in patient records by 25%.
- Designed and implemented a robust system for tracking and analyzing patient satisfaction surveys, **leading to a 15% improvement in survey response rates.**
- Developed and successfully implemented a predictive analytics model that identified high-risk patients, contributing to a substantial 30% reduction in hospital readmissions and saving an estimated **$1.2 million in annual healthcare costs**.

Nits Data – JR Data Analyst, Hyderabad, India   Jan 2020 – July 2020
- Executed data cleaning on Campaign's data (10k+) **to increase revenue by 12%**, leveraging Excel (VLOOKUP) and Python.
- Designed dashboards to eliminate campaigns with **18% expenditure and impressions less than 8%** in Tableau.
- Generated a report to communicate the findings to the finance team using Google slides.

TECHNICAL PROJECTS

HealthCare Insurance Claim Analysis (Link): Utilized ABC Healthcare's claims dataset to evaluate patients enrolled in the ABC Accountable Care Organization (ACO) care model. Additionally, conducted an analysis of claims paid for a patient population enrolled in ACO under a High Deductible Health Plan (HDHP) insurance product.
Prediction & Analysis of Credit Card Defaulters in Taiwan (Link): I successfully led a project using advanced machine learning methods to predict credit card defaults in Taiwan, **achieving an accuracy of up to 83.33%.** Through thorough data analysis, preprocessing, and model evaluation, I identified key predictors and showcased my expertise in data science, feature engineering, and model selection, **effectively addressing real-world financial challenges**.
FIFA World Cup Data Analysis Using Python (link): Conducted comprehensive FIFA World Cup data analysis, including web scraping, data cleaning, and visualization. **Built a dream team based on player statistics** and utilized predictive modeling to forecast the 2022 FIFA World Cup winner, showcasing data-driven decision-making skills.

Tableau Profile: https://public.tableau.com/app/profile/sai.teja.dasariraju/vizzes
My Projects Portfolio: https://github.com/Sai-86549