Vinaya Rajaram Nayak

Tampa, Florida

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Education

University of South Florida   **Aug'22 – May'24**
Master of Science in Business Analytics and Information Systems , GPA:4.0/4.0   *Tampa, Florida*

National Institute of Engineering   **Aug'14 – May'18**
Bachelor of Engineering in Information Science , GPA:3.65/4.0   *Mysore, India*

Experience

Florida Philantrophic Network - University of North Florida   **Jun'23 – Aug'23**
Data Science for Social Good Intern   *Jacksonville, Florida*

- Performed in-depth analysis of extensive and intricate data from various sources across Florida for the 2020 census, developing a robust methodology to accurately estimate the undercount in the counties.
- Leveraged Tableau to create comprehensive business intelligence dashboards, facilitating the identification of undercounted counties and guiding strategic actions to mitigate undercounting in the upcoming census.

University of South Florida   **Sep'22 – Present**
Data Analytics Graduate Assistant   *Tampa, Florida*

- Designed and remodeled dashboards to make it more interactive, insightful, and easy on eyes to track the progress of more than 80,000 students across 3 campuses and 15 colleges using **Power BI, MS Excel**
- Streamlined ad-hoc reporting and data requests, resulting in a 40% reduction in response time and enabling data-driven student success decisions and efficient university reporting.

Accenture Solutions Pvt Ltd   **July'18 – July'22**
Business Data Analyst   *Bengaluru, India*

- Crafted **dashboards using Power BI** to represent key insights for incoming incidents, resulting in data driven actions that improved the efficiency by 45%.
- Accomplished derivation of various patterns by **cleaning** the acquired Walmart inventory and sales dataset of various countries using SQL, MS Excel.
- Created 10+ data pipelines for moving data from multiple legacy system applications to a data lake in Snowflake.
- Ensured data accuracy and integrity by maintaining a data accuracy rate of 55%, resulting in reliable insights and informed decision-making
- Optimized SQL query performance tuning by creating and modifying the **indexes**, **removing unnecessary columns** in the inner views, and adding conditions to get only the required data that improved efficiency by 40%.
- Developed dashboards using Tableau for accurate reporting to leadership that showed business impact of the bookings with and without promotional or premium offers improving decision making by 35%.

Technical Skills

Languages: Python, R, Unix, HTML/CSS, JavaScript, SQL
Database and Big Data Framework: SQL server, Oracle, Postgres Sql, MongoDB, MySQL, AWS Redshift, Big Query, Hadoop, Spark, TensorFlow, Spark SQL, Hive, HBase, HDFS, Cassandra, Impala, Snowflake, Kafka , Apache Airflow
Visualization Tools: Azure ML, Tableau, Power BI, Matplotlib, Pandas, NumPy, Seaborn
Miscellaneous: JIRA, GIT, Microsoft Excel spreadsheets, Postman, SNOW, REST API's, Power query
Cloud Certification:AWS Solution Architect Associate

Projects

Food insecurity Analysis Dashboard *| Tableau, MySQL*   **Nov'22**

- Performed data selection, extraction, cleaning, and exploratory data analysis using different techniques and developed a dashboard that provides state-wise statistics about food insecurity and a variety of related risk factors in the United States that helps policymakers develop targeted interventions.

Sentimental Analysis on Customer Reviews *| python, Sas Miner, AzureML, Tableau*   **Sep'22**

- Identified future sales statistics for Amazon customers with over 80% accuracy by utilizing **predictive analysis modeling, neural networks, and decision trees**.

Leadership and Involvement

- Moderator at **All About the Data** community and Member of **"Gift the Needy"** initiative for people's welfare