Pranathi Sundari

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# Education

University of Memphis Memphis, TN

Master’s Degree in Data Science May 2024

Cumulative GPA: 3.53\*/4.0

Jawaharlal Nehru Technological University Hyderabad, India

Bachelors of Technology July 2017–July 2021

Cumulative GPA: 7.45/10

# Professional Experience

**Accenture** Hyderabad, India

***Application Development Associate*** July 2021–July 2022

* Engaged in approximately 40% of the time, focusing on extraction, transformation, and loading processes.
* Directed about 30% of efforts towards leading a pivotal project for Telefonica, addressing and resolving organizational challenges.
* Invested around 15% of time in crafting intricate stored procedures for data extraction from DB2 and Oracle databases, enhancing data retrieval efficiency.
* Devoted approximately 10% of efforts to developing and deploying views and advanced stored procedures in HiveQL Server, aiming to improve data accessibility and retrieval efficiency.
* Leveraged Unix shell scripting to streamline and automate backend queries, optimizing data retrieval processes.

# Projects

**University of Memphis** Memphis, TN

***Web Attack Detection*** Nov 2022

* Implemented a Decision Tree model with an outstanding accuracy of 99.86%.
* Investigated correlations among predictors to optimize model performance within the team.
* Contributed significantly to the detection and mitigation of malicious activities targeting web applications and cleanse data using NumPy and pandas.
* Conducted anomaly detection using statistical methods to enhance the model’s robustness against irregular patterns.

**University of Memphis** Memphis, TN

***Customer Segmentation Using Classification Methods*** May 2023

* Played a pivotal role in uncovering predictor correlations, enhancing neural network modeling for 77.6% accurate customer segmentation.
* Conducted comprehensive retail data analysis, emphasizing the discovery of crucial segmentation factors.
* Played a key role in data quality management using R, ensuring robustness in outlier detection and meticulous null value handling.
* Collaborated within the Machine Learning team, specifically focusing on leveraging predictor correlations for improved model accuracy and robustness.

# Skills

Python (NumPy, Pandas, Matplotlib, Scikit-learn), Ab initio, R, SQL, HiveQL, HTML, CSS, Java Script, Unix, SAS, Informatica, Power BI, MS Excel, Machine Learning.

# Involvement

Student lead for IT Innovation Club at JNTUH ,2018-21 & Member of International Students Association – University of Memphis

# Languages

English, Telugu, Hindi.