PRANATHI SUNDARI

📞 +1 901-632-2049 ✉ pranathisundari@gmail.com in LinkedIn ⌂ PranathiSundari

Education

The University of Memphis (UofM)   **Aug 2022 – May 2024**
Master of Science in Data Science   *CGPA-3.68*/4*

Jawaharlal Nehru Technological University, Hyderabad (JNTUH)   **Aug 2017 – May 2021**
Bachelor of Technology   *CGPA-3.3/4*

- *Achieved a top 5% ranking among 141,054 students in the engineering entrance exam.*

Professional Experience

Application Development Associate   Accenture   **Jul 2021 – Jul 2022**

Summary: Implemented Ab Initio for project development, ensuring efficient data processing and integration and conducted comprehensive unit testing to validate the functionality and performance of developed solutions.

Tools and Frameworks: HiveQL, Linux, Ab Initio, Informatica Power Centre, DB2, Unix shell scripting

- Significantly contributed to refining extraction, transformation, and loading(ETL) processes, ensuring smooth data flow with a 25% improvement, while also developing dynamic Power BI dashboards and enhancing data extraction efficiency from diverse databases.
- Collaborated with cross-functional teams to design and develop user interfaces, when necessary, for monitoring ETL workflows and accessing data analytics dashboards in Ab Initio projects.

Mentorship

Teaching Assistant   **Aug 2020 – Dec 2020**
Computational Mathematics   *JNTUH Hyderabad*

- Managed assignments and created content for various topics in the domain of CS for a class of 60 students.

Academic Projects

Otodom Analysis   / *SnowSQL, Snow Flake, Visual Studio Code, Python*   **Jan 2024**

- Led a Data Analyst Portfolio project, utilizing Bright Data for web scraping, Snowflake for database management, and Python and Google Sheets for data transformation and analysis, culminating in insightful property market reports for Poland.

Data Analytics and Visualization Job Simulation / *Excel, Data Analytics, Visualization*   **Dec 2023**

- Conducted comprehensive data analysis for a social media client at Accenture, involving cleaning, modeling, and analyzing seven datasets to inform strategic decisions, culminating in a detailed presentation.

Customer Segmentation   / *R, Neural Networks, Data Analysis*   **May 2022**

- Analyzed retail customer data to identify segmentation factors, employing various classification methods and achieving higher accuracy with a neural network model.

Web Attack Detection   / *Python, Decision Tree, Data analysis*   **Dec 2021**

- Utilizing machine learning algorithms, particularly decision trees with tuned parameters, effectively detects and classifies web attack types in firewall data with 98% accuracy.

Technical Skills

Languages	: Python (NumPy, Pandas, Matplotlib, Scikit-learn), R programming, JAVA, C, React, HTML5, CSS3, JavaScript ES6, Object Oriented Programming, XML, SQL, HiveQL, Apache, MATLAB, Beautiful soup, SnowSQL
Technologies/Frameworks	: Visual Studio Code, Linux, Git, Docker, Git hub, Hadoop, MapReduce, Ab initio, Unix, Informatica Power Centre, Power BI, Excel, SAS
Data Science	: Machine Learning, Natural Language Processing, Deep Learning, Reinforcement Learning, Statistics

Relevant Coursework

- Data Mining
- Statistical Learning
- Machine Learning
- Database Systems
- Business AI
- Data Analysis
- Programming Languages
- Fundamentals of DS
- Artificial Intelligence
- Cloud computing
- Data Visualization