

SUSHMASRI ALASYAM

Email Id: sushmasrialasyam75@gmail.com | **Phone No:** (940) 268-4818

PROFESSIONAL SUMMARY

Recent master's graduate with a strong academic foundation and a passion for continuous learning and professional growth. Possesses excellent problem-solving, analytical, and communication skills, with the ability to adapt to dynamic environments. Quick learner with a keen interest in applying theoretical knowledge to real-world challenges. A team player with a proactive mindset, eager to contribute effectively to an organization's success.

EDUCATION:

- **University of North Texas, Denton, TX**
Master of science in Computer Science
- **GuruNanak Institute of Technical Campus, Hyderabad, India**
Bachelor of science in Computer Science

TECHNICAL SKILLS:

- **Languages:** C, Python, HTML, CSS.
- **Development Tools:** Jupiter Notebook, MySQL, VS Code, Notepad ++.
- **Database:** MySQL, SQL server.
- **Cloud and Other Tools:** Power BI, Tableau, GIT, Google Cloud Platform (BigQuery, GCS), Data Pipelines & Storage Solutions.
- **Machine Learning & Deep Learning:** Random Forest, SVM, Decision Trees, LSTM, Feature Engineering, Model Optimization.
- **Data Processing & Management:** Data Cleaning & Preprocessing, BigQuery, OpenRefine, Google Cloud Storage (GCS).
- **Other Skills:** Teamwork, Communication, problem Solving, Time management.

ACADEMIC PROJECTS:

Project Title: Analyzing Baseball Team and Player Performance Using Historical Data

- Conducted data analysis on historical MLB data to assess player and team performance for enhancing recruitment strategies.
- Examined pitcher performance based on game results, total runs, and handedness to derive meaningful insights.
- Cleaned and standardized datasets using OpenRefine, stored data in Google Cloud Storage (GCS), and performed queries in BigQuery for analysis.
- Visualized key insights such as highest-scoring pitchers, team win counts, and player contributions using Google Data Studio.
- Demonstrated the power of data analytics in sports recruitment and suggested future enhancements, including the integration of machine learning models.

Project Title: Credit Card Fraud Detection Using Machine Learning & Deep Learning

- Developed a fraud detection system using Random Forest, SVM, and LSTM to identify fraudulent transactions.
- Addressed class imbalance by applying undersampling techniques, improving model accuracy and reducing false positives.
- Processed and analyzed a Kaggle-sourced dataset of 284,807 transactions with 31 attributes.
- Optimized deep learning models by tuning hidden layers, dropout rates, and epochs for better fraud detection.
- Achieved 99.95% accuracy with the Random Forest model, demonstrating improved fraud detection efficiency.
- Enhanced security for financial institutions by providing a data-driven, automated fraud detection approach.