SRAVANI ARUGUNTA

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Education

Georgia State University Aug 2023 - present
Master of Science in Computer Science (GPA: 3.60 / 4.00) *Atlanta, Georgia*

Jawaharlal Nehru Technological University Aug 2019 - May 2023
Bachelor of Technology in Computer Science (GPA: 3.52 / 4.00) *Hyderabad, India*

Experience

Software Application Developer Aug 2023 – Present
Georgia State University *Atlanta, Georgia*

- **Collaborated** with software engineers to **develop** and maintain the innovative **Online Graduate Management System (OGMS) portal.**
- Actively participated in all stages of the **software development life cycle**, from **design** to **final deployment.**
- Utilized **Python** and **SQL** to **analyse data,** driving insightful research outcomes and informed decision making.
- Identified and resolved **system bugs, optimizing** the OGMS Portal for peak **performance** and **reliability**.
- Created and maintained **documentation** ensuring clear guidelines and seamless project continuity.

Data Engineer Intern Jan 2023 – May 2023
Autosavvy *Hyderabad, India*

- Developed and deployed scalable **ETL pipelines using Snowflake** for data warehousing and **Databricks** for machine learning model implementation.
- Ensured robust data solutions with **Kubernetes** and automated workflows with **Apache Airflow.**
- Designed **interactive visualizations with Tableau** for stakeholders.
- Achieved a **20% improvement in prediction accuracy** with advanced machine learning models.

Projects

SkySentiment: Elevating Airline Service with NLP | *Sentiment Analysis, NLP, Python*

- Contributed to the "Airline Service Quality" project by executing data preprocessing tasks using advanced NLP techniques to prepare Twitter data for sentiment analysis. - Enhanced data accuracy and model efficiency by meticulously cleaning and structuring large datasets, supporting the team's successful sentiment classification efforts.

ANTICB- Cyberbullying Detetction Using Deep Learning | *Python, MySQL, HTML/CSS, Flask*

- Developed a tweet classification program utilizing Machine Learning and Deep Learning techniques: Decision Tree, Naïve Bayes, CNN, LSTM, BiLSTM, SVM achieving 99% accuracy with the CNN.

Recommendation System for E-commerce Platforms | *Python, Pandas, scikit-learn, Tensorflow*

- Developed a recommendation system for an e-commerce platform suggests products to users based on user's browsing and purchasing history. Enhanced system capabilities with TensorFlow, exploring deep learning models to refine recommendation accuracy.

Heart Disease Prediction | *Python, MySQL, Flask, HTML/CSS, Firebase*

- Predicted an individual's heart disease using Machine Learning techniques, including Logistic Regression, KNN, Support Vector Machine, Naïve Bayes, and Decision Tree. These techniques classify whether a person has heart disease based on datasets incorporating daily factors. The Decision Tree algorithm achieved an accuracy of 98.2% by integrating with Flask.

Technical Skills

Languages: Python, C, Java, React, SQL, HTML, CSS, Javascript, TypeScript
Technologies & Frameworks: Bootstrap, Tableau, Numpy, Pandas, Figma, Flask
Development Tools & Platforms: Git, AWS, Visual Studio Code, Tableau, Windows, Linux
Concepts: Data Structures, Object Oriented Programming, Databasae Systems, Artificial Intelligence, Machine Learning, Cloud Computing