

SRAVANI ARUGUNTA

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Education

Georgia State University

Master of Science in Computer Science (GPA: 3.60 / 4.00)

Aug. 2023 – Present

Atlanta, Georgia

Jawaharlal Nehru Technological University

Bachelor of Science in Computer Science (GPA: 3.52 / 4.00)

Aug. 2019 – May 2023

Hyderabad, India

Experience

Software Application Developer

Georgia State University

Aug 2023 – Present

Atlanta, Georgia

- **Collaborated** with software engineers to **develop** and maintain the innovative **Online Graduate Management System (OGMS) portal** contributing to a **20% increase in user satisfaction**.
- 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, which improved **decision accuracy by 25%**.
- 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

Autosavvy

Jan 2023 – May 2023

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 | *Python*

Data Science and ML Backend Project

- 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 | *Python, MySQL, HTML/CSS, Flask*

Full Stack Project

- Developed a tweet classification program to detect cyberbullying using Machine Learning techniques, achieving 99% accuracy with CNN.
- Implemented with Python, MySQL, Flask, and HTML/CSS, featuring login pages, dashboards for doctor appointments, and sections for victim stories.

TaskPilot | *Full-Stack*

Full Stack Project

- Developed a Fullstack Task Manager Application using Next.js and React for a dynamic front end, and Prisma with MongoDB for robust data handling on the backend.
- The application enables efficient task creation, management, prioritization, and tracking within a responsive and user-friendly interface.

BrainyTictactoe - AI | *Python, NumPy, PyGame*

ML Backend Project

- Devised an AI-powered Tic-Tac-Toe game using the Minimax algorithm for optimal move decisions. Integrated alpha-beta pruning to significantly enhance the algorithm's efficiency.
- Designed a user-friendly interface with PyGame. Implemented dynamic game status updates to reflect real-time gameplay. Ensured robust AI performance by efficiently evaluating board states and handling win/loss conditions.

Technical Skills

Languages: Python, C/C++, Java, SQL, NoSQL, HTML/CSS, React.js, Javascript, TypeScript

Databases: MySQL, MongoDB, SQL Server

Technologies & Frameworks: ETL Pipelining, Tableau, Bootstrap, RESTfulAPI, Tensorflow, NumPy, Pandas, Flask

Development Tools & Platforms: Git, AWS, Jenkins, Visual Studio Code, Tableau, Microsoft Office, Jupyter Notebook, Windows, Linux

Concepts: Data Structures, Object Oriented Programming, Databases Systems, Artificial Intelligence, Machine Learning, Cloud Computing