

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

Technical Skills

Languages: Python, C, Java, SQL, NoSQL, HTML/CSS, React.js, JavaScript, Typescript

Databases: MySQL, MongoDB, SQL Server

Technologies & Frameworks: Bootstrap, Tableau, Figma, Flask, NumPy, Pandas, Django

Development Tools & Platforms: Git, AWS, Visual Studio Code, Microsoft Office, Windows, Linux

Concepts: Data Structures, Object Oriented Programming, Web Programming, Database Systems, Machine Learning

Experience

Web Developer, EPIC Programs

May 2024- July 2024

Georgia State University

Atlanta, Georgia

- Successfully **developed** and hosted a webpage for the Political Rap Database project using **HTML**, **CSS** and **JavaScript** on GoDaddy, resulting in a **30% improvement in site performance**.
- Uploaded and managed** political rap content, including videos and citations, while collaborating with students to enrich the website, resulting in a **25% increase in content accuracy**.
- Enhanced the user experience** by implementing **design improvements** and **optimizing the site** for search engines (SEO), resulting in a **25% increase in user engagement**.
- Promptly **troubleshooted** and resolved website issues, ensuring smooth and uninterrupted access to content, **reducing downtime by 50%**

Data Analyst Intern

Jan 2023 – May 2023

Autosavvy

Hyderabad, India

- Assisted** in qualitative research design and survey methodology using **Qualtrics**, **SurveyMonkey** & **Google Forms**.
- Collected, cleaned, and interpreted text** and survey data using **MS Excel**; performed data **data analysis** using **Python**, with basic knowledge of **R**, enhancing **data accuracy by 20%**.
- Used **NVivo** for analyzing qualitative data; supported research reports and **documentation** with **Word** and **PowerPoint**.
- Contributed** to survey design and analysis activities, ensuring **95% accuracy in data collection**.
- Generated and interpreted graphs and bar charts** to effectively visualize and communicate **research findings**.

Projects

SkySentiment: Elevating Airline Service | *Python*

Data Science and ML Back-end 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 Detection | *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 | *HTML/CSS, React.js, Node.js, MongoDB*

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 game-play. Ensured robust AI performance by efficiently evaluating board states and handling win/loss conditions.