SRIRAM SATHWIK TIPPAVARAM

Fairfax, VA | sriramsathwik.tippavaram@gwu.edu | (571) 251-0390 | Github | Linkedin

EDUCATION

The George Washington University, Washington, DC
Master of Science in Data Science **expected May 2025**

- Data Warehousing, Introduction to Data Science, Data Mining

Vardhaman College Of Engineering, Hyderabad, India
Bachelor of Technology **May 2023**

- Relevant Coursework: Data Structures, Database Management, Probability and Statistics, Machine Learning, Python

TECHNICAL SKILLS

- **PYTHON, JAVA, C**
- **HTML, CSS, ANGULAR JS, MONGODB, NEO4J, MYSQL**
- **POWERBI, MS EXCEL**
- **DATA STRUCTURES**

INTERNSHIPS

LTI **Hyderabad,India**
Data Engineer **March - May 2023**

- Utilized Power BI for creating interactive dashboards and reports, providing insightful data visualizations.
- Assisted in writing SQL queries for data management, focusing on effectively organizing and retrieving data.
- Participated in data processing tasks using PySpark, contributing to the handling and analysis of large datasets.

ACADEMIC PROJECTS

Team Lead, Prioritizing Medical Admissions According to Urgency **November 2022 - March 2023**

- Developed a local web application using Docker to prioritize medical admissions based on urgency, enhancing hospital efficiency during peak times.
- Employed Python and Django for robust backend functionality, for data handling and user interaction.
- Integrated a variety of machine learning models including Random Forest, SVM, LSTM, Linear Regression, and CNN into the web application. This hybrid approach improved the accuracy of emergency case predictions based on patient data.
- Addressed the real-world issue of hospital overcrowding by delivering a data-driven approach to prioritize patient admissions, resulting in more efficient and effective healthcare delivery.

Team Lead, Hand Gesture Recognition **September - November 2022**

- Developed and implemented a deep learning model using Convolutional Neural Networks (CNN) to achieve hand gesture recognition.
- Attained a high classification accuracy of 92%, demonstrating the model's effectiveness in real-world applications.
- Employed dynamic modeling techniques, including Random Forest, Support Vector Machine (SVM), Long Short-Term Memory (LSTM), Linear Regression, and CNN, to enhance the precision and effectiveness of the model.

Team Member, Restaurant Review System Using NLP **September - November 2021**

- Utilized NLP techniques to create a sophisticated system for processing and analyzing customer feedback, converting unstructured text data into actionable insights
- Implemented sentiment analysis algorithms efficiently categorized customer reviews, distinguishing between positive and negative reviews to gauge daily customer satisfaction levels

ACHIEVEMENTS

- Earned advanced level certification in SQL conducted by Hacker Rank, December 2023
- Secured 88% in the exam conducted by Wipro, September 2022
- Earned a silver badge in the category Problem Solving on Hacker Rank, September 2020

LICENSURE

- Career Essentials in Data Analysis by Microsoft and LinkedIn , December 2023
- AWS Cloud Foundations, Amazon Web Services Training and Certification, October 2021
- IBM Machine learning with python September 2021
- Technical Support Fundamentals authorized by Google, Coursera, July 2020

ADDITIONAL INFORMATION

- Leadership Skills
- Organized a LAN Gaming Event in collaboration with IEEE