

Venkata Sri Harsha Maddirala

✉ vxm220023@utdallas.edu ☎ (518)4965533 📍 Dallas, Texas

in <https://www.linkedin.com/in/sriharshamaddirala/> 🌐 github.com/Sri-harsha99 📁 Portfolio

EDUCATION

University of Texas at Dallas, Master of Science in Computer Science 08/2022 – 05/2024 | Dallas, Texas

- Cumulative GPA - 3.8; Specialization in Data Science
- Relevant Courses: Machine Learning, Statistical Methods for Data Science, Computer Vision.

Indian Institute of Information Technology, Sri City, 08/2017 – 05/2021 | Sri City, India

Bachelor of Technology in Computer Science

- Relevant Courses: Computer Vision, Deep Learning, High-performance Computing, Data Analytics.

SKILLS

Languages: (Python, Java, C, C++, JavaScript, TypeScript, Go(Golang), SQL, R, HTML, CSS)

Frameworks: (Angular, NodeJS, ReactJS, SpringBoot, Django, MongoDB, MySQL, Docker, Kubernetes, Flask)

Technologies: (TensorFlow, Keras, PyTorch, Pandas, Spark, Azure, AWS Lambda, Sci-kit learn, MATLAB, Git, Linux)

WORK EXPERIENCE

ShopConnect, Software Engineer 🌐 07/2021 – 07/2022 | Bangalore, India

- Worked on a video-call-based E-commerce platform that used AR and Virtual retail stores along with targeted promotions to promote products and increase user engagement.
- Utilized **Angular** as a web framework, **MongoDB** for database, and **NodeJS** for the backend to handle API requests.
- Developed a statistics board to view the data analytics of products that includes time spent, and demographics.
- Integrated **Instagram Graph API** from scratch to publish and moderate content on the user's Instagram profile through which users can publish the content with one click, reducing the time spent by 80%.
- Worked on a widget that enables integration with existing client websites to increase user engagement.
- Deployed 6 clients to production by customizing the application according to their needs.
- Enhanced the application's features, fixed the bugs, and improved the overall performance by reducing the latency of more than 20 APIs by 30% using caching and aggregate queries.

ShopConnect, Software Engineer Intern 08/2020 – 12/2020 | Bangalore, India

- Worked on a supply chain management software 'valUchain' that features End-to-End traceability.
- Developed an Order management module with discounts and inventory management with stock conversions.
- Implemented automated scripts to streamline the onboarding of new user data into the platform's database, resulting in a 95% reduction in data processing time.

PROJECTS

Tweet Analysis 🌐 09/2022 – 12/2022

- A logistic regression model has been trained on 1.6 million tweets and observed an overall accuracy of 89%.
- Users can query based on keywords or dates, and sentiment analysis of all the tweets filtered by the query is shown.
- Deployed using **Azure serverless** architecture and Github actions for continuous integration and delivery (CI/CD).
- Used **Azure Functions** for the back-end and developed an API to pull the tweets based on the query given by the user and relay the data to an azure flask function that would predict the sentiment. **Access here** 🌐

Curating News with NLP 🌐 10/2019 – 12/2019

- Applied **NLP** to find how particular news is portrayed in different newspaper mediums.
- Scraped the articles from 4 major news outlets in India using the Beautiful Soup package.
- Used NLTK module for tokenization and filtered the content by removing common words.
- Developed web app using **Django** and used **MySQL** as DBMS, to display similar news articles from each outlet.

Egocentric action recognition 01/2020 – 05/2020

- A **Computer Vision** project where a person's hand movements are used to recognize his actions.
- The feed used as input is from a camera mounted on his glasses. Applied in **AR/VR** headsets for gesture tracking.
- Used optical and temporal flow as inputs to the **LSTM** network and observed 73% accuracy with the GTEA dataset.