# Yarram Hruday Reddy [hyarr001@odu.edu](mailto:hyarr001@odu.edu)

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**CAREER OBJECTIVE**

# Aspiring for a position in challenging, dynamic and growth stimulating environment to utilize my skills through a continuous learning process and prove to be an asset for the organization in achievement of their goals and objectives and attain long term personal and career growth. ACADEMIC PROFILE

* Pursuing Master’s in Computer Science at Old Dominion University
* Bachelor of Engineering in Computer Science Engineering from Swathi Institute of Technology and

Sciences, Hyderabad, India in 2023

* ISC (Class XII) from Sri Aurobindo International School, Hyderabad, India in 2019.
* ICSE from Ramadevi Public School, Hyderabad in, India 2017.

**TECHNICAL SKILLS**

* Programming Languages: Python, Java, JavaScript, HTML/CSS, C/C++ Java
* Frameworks & Tools: Familiarity with deep learning frameworks like PyTorch (ongoing learning)
* Data Analysis: Experience in handling and analyzing data sets (proficiency in using statistical software’s like spss)  
    
  **Relevant Coursework (Master's Level)**
* DSA (Data Structures and Algorithms)
* Machine Learning
* AI (Artificial Intelligence)
* NLP (Natural Language Processing)
* Big Data and Analysis

# PROJECTS

* **A Rule-based Chatbot using Python (Mini Project) (Project leader)**
  + Developed a rule-based chatbot using Python to simulate customer service interactions.
  + Implemented predefined rules and keyword matching to understand user queries and provide appropriate responses.
  + Utilized natural language processing (NLP) techniques for basic text processing and intent recognition.
* **Sign Language Recognition System using Python (Major Project) (Project leader)**
  + Designed and implemented a system to recognize and translate sign language gestures using Python.
  + Employed image processing and computer vision techniques to extract features from video input of sign language.
  + Utilized machine learning algorithms to classify gestures and convert them into text or speech.
* **Discord Bot with API Integration (Personal Project)**
  + Developed a Discord bot using Python to provide users with seamless access to information and server interaction.
  + Implemented API integrations to fetch and display real-time data within the Discord server.
  + Enabled users to join the Discord server directly through the bot interface.
* **Bird vs. Drone Detection System**
  + Developed a system to differentiate between birds and drones using image and video analysis.
  + Employed convolutional neural networks (CNNs) to classify objects in real-time video feeds.
  + Utilized techniques to improve accuracy in various lighting and weather conditions.
* **LLM for Medical Notes Data Generation (Ongoing)**
  + Currently working on developing a Large Language Model (LLM) to generate synthetic medical notes.
  + Utilizing deep learning techniques to train the LLM on a dataset of medical records.
  + Aiming to produce accurate and comprehensive medical notes to aid in research and development.

**Leadership/Volunteer**

* **International Students Association (ISA), Old Dominion University**
  + **Secretary:**
    - Managed official communications and correspondence for the ISA.
    - Maintained meeting minutes and records, ensuring accurate documentation of decisions.
    - Assisted in planning and organizing events to promote cultural exchange and support international students.
* **GSF, Old Dominion University**
  + **Volunteer:**
    - Participated in community service initiatives organized by GSF.
* **Akshayapatra, India**
  + **Volunteer:**
    - Supported the Akshayapatra Foundation's efforts to provide meals to schoolchildren.
* **Student Council, Sri Aurobindo International School**
  + **President:**
    - Led and presided over student council meetings, representing the student body's interests.
    - Oversaw the planning, organization, and execution of school events and activities.
    - Served as a liaison between students, faculty, and school administration.
  + **Responsibilities included:**
    - Assisting with event planning, setup, and execution of all events.

**Event Support:**

* + **Diwali Celebration (Fall 2024):**
    - Assisted with event setup, including stage preparation and decorations.
    - Managed attendee registration and check-in processes.
    - Provided crowd control and ensured the smooth flow of the event for 200+ attendees.
  + **Taste Of India (Spring 2025):**
    - Coordinated volunteer schedules, assigning roles and responsibilities.
    - Managed logistics for food vendors, including setup and coordination of service areas.

# AWARDS & RECOGNITION:

* I have received many appreciations from school management.
* Scored the highest mark in computer science in my school (ISC Board).
* Awarded as Most valuable player in the team.
* Participated in regional basketball tournaments held at school level.

# PERSONAL PROFILE

* Full Name : Yarram Hruday Reddy
* Date of Birth : 27-05-2002
* Languages Known: English, Telugu and Hindi.