# VENKAT SAI YESWANTH

## Career Objective

I intend to be a part of an organization where I can constantly learn and develop my technical and management skills and make best use of it for the growth of the organization. I look forward to establishing myself by adapting new technologies as well.

## Technical Skills

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|---|---|
| **Programming languages** | C, Python, R Programming |
| **Web Technologies** | HTML, CSS, JavaScript |
| **Databases** | SQL, RDBMS |

## Education Qualification

*Master of Science in Data Sciences., GPA:3.08/4.0*          *Sep 2023 - Current*
New Jersey Institute of Technology, Newark, New Jersey, U.S.A

*Bachelor of Technology in Computer Science and Eng., GPA: 3.17/4.0*          *Aug 2019 – May 2023*
Chaitanya Bharathi Institute of Technology, Hyderabad, India

## Related Coursework

- Data Structures
- Web Application Development
- Object Oriented Programming
- Artificial Intelligence
- Machine Learning
- Database Management
- DevOps
- Cyber Security

## Online Learning

- *Data Structures* from Smart Interviews
- *Mastering Data Structures and Algorithms using C* from Udemy
- *Complete Python Bootcamp* from Udemy

## Projects

*Enhancing Visual Question Answering with Hybrid Deep Learning Models*          *Deep Learning/Python*
Developed a Visual Question Answering system utilizing a hybrid deep learning model combining Convolutional Neural Networks (CNN) and Long Short-Term Memory (LSTM) networks. Responsibilities included initial setup, theoretical groundwork, and documentation. Achieved 78% accuracy on the Microsoft COCO dataset, integrating attention mechanisms to enhance image processing and text comprehension. Demonstrated the model's applicability across various industries such as healthcare and customer service.

*Hidden Markov Model based trust evaluation in VANETs*          *TCL*
          Developed a Trustworthy model using **HMM** and Blockchain to increase accuracy in wireless communication in **VANETs**

*Web Scraping Project*                                                *R programming*

Conducted a web scraping project using R to extract and analyze article data from the Mobile DNA journal. Responsibilities included data extraction, cleaning, and preprocessing. Developed visualizations to highlight trends in genomic research, demonstrating the growing importance of data science skills in extracting meaningful information from vast online resources.

*Spam detection in twitter*                                   *Machine Learning|Python*

Developed a good-looking application which deals with spam detection in twitter and calculate percentage of fake tweets

*Quality of wine from the dataset related to red variant of the Portuguese "vindo verde" wine*

*Machine Learning|Python*

Used Linear Regression and **sklearn** library to find quality of wine from the dataset

*PSO, ABC, AND A2BC BASED FEATURE SELECTION FOR CLASSIFICATION MODELS IN AN EDUCATION APPLICATION*                           *Machine Learning|PSO|ABC|A2BCF*

This project is a comparison of Swarm Intelligence-based optimization algorithms, like Particle Swarm Optimization (**PSO**), Artificial Bee Colony (**ABC**), and Advanced Artificial Bee Colony(**A2BC**).

The comparison is done based on the accuracy they provide when used for feature selection to classify student success. The accuracy is calculated using SVC, Random Forest, XGBoost, and Voting classifiers.

The Advanced Artificial Bee Colony algorithm is an improved version of ABC that includes extensions to the ABC algorithm.

## Professional Experience

*Oracle NetSuite*                                                      *July 2022 – Aug 2022*

**Role**: Intern

**Responsibilities:**

- Implemented various functionalities into the Oracle's ERP solution - NetSuite using their internal framework SuiteScript 2.0