

Varsha Jampala

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Education

Master of Computer Science

University Of North Texas

May 2025

GPA: 3.83

Bachelor of Technology

CMR College Of Engineering and Technology

May 2023

GPA: 8.79

Skills

- Programming Skills: Python, HTML, CSS, SQL, Apache (Hadoop, Spark, Kafka), PHP, JavaScript
- Tools/Platforms: Tableau, Power BI, Jenkins, WordPress, Nessus, Git, Jupyter Notebook, VS code, Google Cloud Platform (GCP), VMware
- Libraries/Frameworks: NumPy, pandas, Scikit learn, TensorFlow, Keras, MapReduce

Certifications

- **Data Analysis Projects – Great Learning Academy**
A practical module focusing on real-world data analysis using Python or other tools to uncover insights, create visualizations, and make data-driven decisions.
- **Python Project – Great Learning Academy**
A hands-on project aimed at applying Python programming skills to solve a specific data-centric problem, involving data manipulation, analysis, and visualization.
- **SQL for Data Science – Great Learning Academy**
A course designed to teach SQL fundamentals and advanced techniques for querying and managing databases, tailored for data analysis and science applications.
- **Statistical Analysis – Great Learning Academy**
A foundational course that covers statistical methods, hypothesis testing, and data interpretation techniques to make meaningful inferences from data.

Projects

- **Stock Analysis and Prediction Using Big Data Analytics**
This project is a machine learning based model to predict oil stock prices using Yahoo Finance data, comparing linear and random forest regression. Evaluated performance with MSE and R-Square metrics.
- **AI & Deep Learning for Plant Species Identification**
This project is designed to accurately identify plant species using CNN, a deep learning model, enhancing image classification through data augmentation and advanced training techniques.
- **Inventory Management System for Retail Shops**
This project focuses on inventory management system using React, Node.js, and SQLite to optimize stock management and supply chain efficiency for retail shops.
- **Email Spam Filtering System**
This project is implemented using Decision Tree and KNN algorithms, achieving high accuracy through data preprocessing and model evaluation.
- **[ML Practice Platform](#)**
This is a web platform inspired by Leet Code for practicing Data Science and Machine Learning problems.
- **Advancements in Graph Algorithms: Improving Multi-Commodity Flow, Shortest Paths, and Network Architecture**
This a survey paper on graph algorithms, highlighting flow optimization and shortest paths using decomposition techniques.
- **Real-Time News Impact on Financial Markets**
This is project focuses on analyzing the impact of real-time news on financial markets using big data concepts and processing platforms like Google Cloud Platform.