# HANUMANTHUGARI GURU JANARDHAN REDDY

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M.Tech Data Science student with expertise in Java, Python, SQL, and full-stack development. Passionate about AI, machine learning, and software engineering, with hands-on project experience.

## EDUCATION

**VIT Vellore, India.**                                                                                              **Sep 2021-PRESENT**

*M. Tech -Integrated CSE with Specialization Data Science(CGPA-9.03/10.00)*

## SKILLS

**Analytical Tools**:
- Tableau
- Advanced Excel

**Programming Languages**:
- Java
- Python
- SQL

**Database**:
- MySQL
- MONGODB

## Internship

**Infosys Springboard 5.0 Internship**

*Python Stack Developer (February 2025 – Present)*
- Developing an **Agile Project Management Dashboard** using **Python** to manage tasks, track sprints and visualize project progress.
- Implementing key features such as **Login Management**, **Project Creation**, **Performance Analytics** and **Automated Reporting**.

*Java Stack Developer (October 2024 – December 2024)*
- Implemented a **Movie Management System** to efficiently manage movie databases, including adding, updating, deleting and searching for movies.
- Utilized **Java** and **MySQL** for backend development, ensuring efficient data storage and retrieval.
- Implemented **CRUD operations** (Create, Read, Update, Delete) to manage movie records effectively.

## Projects

**Smart Attendance System using OpenCV and KNN Algorithm (July 2024 - August 2024)**
- Created an advanced **facial recognition system** using **OpenCV** for face detection and **K-Nearest Neighbors (KNN)** for recognition, improving **attendance processing speed by 30%**.
- Identified and addressed **bottlenecks** in the system, resulting in a **30% improvement in data processing speed** and faster check-in times.
- **Engineered** a highly efficient **attendance marking system** ,enhancing **check-in speed** and providing **80% accuracy** in facial recognition for **over 200 users**.

**Restaurant Reservation System (May 2024 – June 2024)**
- Launched a **MERN stack** application (MongoDB, ExpressJS, ReactJS, NodeJS) for **online restaurant reservations**, improving **customer booking efficiency by 40%.**
- **Implemented** secure **user authentication** and **reservation management** features, reducing **booking errors by 20%** with **real-time table availability** updates.
- **Created** an **admin dashboard** for managing reservations, tracking **customer data**, optimizing **table utilization**, resulting in a **15% increase in reservations** per day.

**Emotional Face Recognition using Back Propagation (February 2024 - April 2024)**
- Designed and trained a machine learning model for emotion recognition based on facial expressions, achieving 85% accuracy in emotion detection.
- Collected and pre-processed a dataset of over 1,000 labeled facial images, enhancing the model's performance and training efficiency.
- Developed a neural network using the Back Propagation algorithm that classified 6 different emotions with high precision, contributing to advancements in emotion AI.

## Certifications |links|
- Completed the **Java Certification** from Infosys Springboard in August  2024.
- Earned the **Python Certification** from Infosys Springboard in August  2024.
- Acquired **MERN Full Stack Development certification** in July 2024.