

MODUGU TEJASWINI

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EDUCATION

- **Keshav Memorial Institute of Technology**, Hyderabad
B.Tech in Computer Science and Engineering (AI & ML)
CGPA: **9.3 / 10.0**
Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Machine Learning, Deep Learning, NLP, Web Development (MERN, REST APIs)

Nov 2022 – Present

TECHNICAL SKILLS

- **Languages:** Java, Python, C++, JavaScript, SQL
- **Web Development:** MERN Stack ,Flask, RESTful APIs, Spring Boot (Basics)
- **Databases:** MySQL, MongoDB
- **ML/DL:** CNN, LSTM, Word2Vec, NLP, NumPy, pandas
- **Tools:** Git, GitHub, VS Code, Postman, PyCharm, Eclipse
- **Core CS:** OOP, Data Structures, Algorithms, Problem Solving

PROJECTS

- **Katha Vaachak: AI-Powered Storytelling** (GitHub) Dec 2024
React, MongoDB, Flask, LLaMA 3, Stable Diffusion
 - Developed an AI-driven platform that generates personalized stories and images from user inputs.
 - Integrated **LLaMA 3** for story generation and **Stable Diffusion** for AI-generated visuals.
 - Built a React frontend with Flask backend, enabling smooth API-driven interactions.
- **Medical Image Captioning and Disease Classification** (GitHub) Jun 2024
Python, Deep Learning (CNN, LSTM), Word2Vec, Flask, MERN Stack
 - Built a full-stack web app for **chest X-ray analysis**, supporting real-time disease detection and automated report generation.
 - Implemented **DenseNet-121 CNN** for classification and **InceptionV3 + LSTM with Word2Vec** for image captioning.
 - Integrated ML models with Flask backend and connected them to a MERN-based interface.
- **Human Emotion Classification** (GitHub) May 2024
Python, Deep Learning (LSTM), NLP
 - Built an emotion detection system classifying text into **six emotions** (Joy, Fear, Anger, Love, Sadness, Disgust).
 - Designed and trained an LSTM-based model for improved accuracy.
 - Deployed a simple web app for real-time emotion classification.

ACHIEVEMENTS & CERTIFICATIONS

- Solved **550+ DSA problems** across platforms (LeetCode, Coding Ninjas).
- Participated in **Flipkart GRID 6.0** and **Mynta HackerRamp: WeForShe 2024**.
- Certified in **SQL (HackerRank)** and **Machine Learning (Coursera)**.