

Darisa Adithya

Computer Science Undergraduate | Specialization in AI/ML
VIT-AP University

darisaadithya18@gmail.com

+91 6303349488

[LinkedIn](#) | [GitHub](#)

SUMMARY

Final year CS undergraduate specializing in AI/ML at VIT-AP, with hands-on experience building full-stack AI applications using Flask, React, LLMs and computer vision models. Passionate about building real-world AI systems that solve practical problems.

EDUCATION

Degree	Institute	Year	Score
B.Tech Computer Science	VIT-AP University, Amaravati	2022–Present	7.69
Class XII (BIEAP)	Narayana Junior College	2021–2022	7.58
Class X (SSC)	Nagarjuna Model School	2019–2020	8.5

CERTIFICATIONS

- Oracle Gen AI 2025

[Certificate](#)

PROJECTS

- **AI Dubbing System** [Python, Whisper, Helsinki-NLP, gTTS, MoviePy, Streamlit] Sep 2025
 - Built an end-to-end AI pipeline that automatically dubs English videos into 5 languages using Whisper, Helsinki-NLP and gTTS
 - Implemented audio time-stretching using Librosa to synchronize dubbed speech with original video timestamps
 - Deployed live web application on Streamlit with video upload, language selection and download functionality
 - Integrated 4 AI models in a single pipeline covering speech recognition, translation and voice synthesis
- **Stock Price Prediction Web Application** [Python, Flask, TensorFlow, LSTM, Chart.js] Apr 2025
 - Developed an LSTM-based application for stock price forecasting
 - Achieved 92% directional accuracy using SMA and EMA indicators
 - Built an interactive dashboard using Flask and Chart.js to visualize historical prices, predicted trends, and market insights
 - Improved prediction speed through pretrained model optimization
- **Object Detection Model** [Python, YOLO, OpenCV, TensorFlow, Flask] Jan 2025
 - Trained a YOLO model from scratch on a custom 3-class vehicle dataset without using pretrained weights
 - Achieved mAP@0.5 of 85.9% with class-wise F1 scores of 0.84, 0.87 and 0.83 across vehicle categories
 - Built and deployed a real-time object detection system using Flask and OpenCV for live inference
 - Evaluated model performance using confusion matrix, precision-recall curves and IoU metrics

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, JavaScript
- **Frontend:** React.js, HTML5, CSS3
- **Backend:** Flask, REST APIs, JWT Authentication
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, GitHub, VS Code, Google Colab
- **AI/ML:** TensorFlow, PyTorch, YOLO, Whisper, LangChain, OpenAI API, RAG, LSTM
- **Libraries/Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, OpenCV

RELEVANT COURSEWORK

- Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Deep Learning, Computer Networks

LEADERSHIP & ACTIVITIES

- Member, Designing Team – Photography Club, VIT-AP University
- Member – Rotaract Club, VIT-AP University (2024–2025)
- Organized and conducted events at VIT-AP University, coordinating with team members and managing logistics
- Participated in Google DevSprint Hackathon 2025