

# Vaddamani Jagadeeswara Reddy

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## Education

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**Rajiv Gandhi University of Knowledge Technologies, RK Valley**

M.Tech in AIML

Nov 2023 – Aug 2025

GPA: 8.6/10.0

**YSR Engineering College of YVU**

B.Tech in CSE

Jun 2019 – May 2022

GPA: 7.8/10.0

**Loyola Polytechnic College (YSRR)**

Diploma in CSE

Jun 2016 – Apr 2019

Percentage: 88/100

**Swamy Vivekananda High School**

SSC

Jun 2015 – Apr 2016

GPA: 9.0/10.0

## Certifications

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- **AICTE ATAL FDP on Deep Learning for Social Impact: Atomic Object Detection in Real-World Applications (2025)**
- **AICTE ATAL FDP on AI and ML in Electric Vehicle Technology (2025)**
- **Computer Networks & Internet Protocol (NPTEL) (2022)**
- **Data Mining (NPTEL) (2022)**
- **Enhancing Soft Skills & Personality (NPTEL) (2022)**
- **Cisco Networking Academy (APSBTET) (2019)**

## Projects

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### Fruit Classification using Transfer Learning

- Built a deep learning model leveraging pre-trained CNNs like ResNet, VGG, and Inception for feature extraction.
- Optimized the model with data augmentation and fine-tuning to enhance accuracy and reduce training time.
- **Tools Used:** Python, TensorFlow/Keras, OpenCV, NumPy, Matplotlib, Streamlit

### Speech Emotion Recognition using CNN

- Developed a CNN-based model to classify speech emotions (Neutral, Happy, Angry, Sad, Fear, Disgust, Surprise) with **85%** accuracy.
- Utilized audio preprocessing techniques like spectrograms, MFCC, and ZCR for feature extraction.
- Designed a Streamlit-based web interface for real-time speech emotion classification.
- **Tools Used:** Python, TensorFlow/Keras, Librosa, Streamlit, Matplotlib, Seaborn

## Technical Skills

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**Programming Languages:** Java, Python, SQL

**Web Development:** HTML, CSS, JavaScript, PHP

**Databases:** MySQL, MongoDB

**Machine Learning:** NumPy, Pandas, Data Visualization

**Deep Learning Frameworks:** TensorFlow/Keras, PyTorch, OpenCV