

MADHUSUDHAN R

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SUMMARY

Tech-savvy and analytical student passionate about AI and real-time applications. Skilled in Computer Vision, Python, and NLP, looking for an opportunity to apply and expand technical expertise.

ACADEMIC DETAILS

B.Tech (Computer Science & Engineering(AI-ML))

RL Jalappa Institute of Technology, VTU

Expected Graduation: 2026

CGPA: 8.5/10.00

12th Grade

Jawahar Navodaya Vidyalaya Yenigadale

2022

Percentage: 59.00%

10th Grade

Little Master Public School

2020

Percentage: 91.80%

PROJECTS

Movie Ticket Management Database

- Developed a database-driven application for managing movie schedules, ticket bookings, and user records using MySQL, Designed normalized relational schemas and implemented complex SQL queries for booking, seat allocation, and transaction management.

Weather Forecasting

- Developed a web application to display real-time weather updates for various locations using HTML, CSS, and JavaScript. Integrated weather APIs (e.g., OpenWeatherMap) to fetch dynamic data including temperature, humidity, and weather conditions.

Plant Disease Detection

- Detects plant diseases from leaf images using image processing and machine learning techniques, Implemented with OpenCV, TensorFlow/Keras, or PyTorch; used in precision agriculture, crop health monitoring, and early disease prevention

Gesture Recognition

- Recognizes hand or body gestures using image processing and machine learning, Implemented with OpenCV, Mediapipe, or deep learning models, Used in touchless control, AR/VR, and assistive technologies.
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ACHIEVEMENTS

- Developed **Object Detection** and **Gesture Detection** systems using deep learning and OpenCV for real-time applications.
 - 1st Place - Mini Project Expo**, [RLJIT], for the project "**Hand Gesture Recognition**"
 - Recognized for innovation and technical execution in designing a real-time hand gesture recognition system using [technologies used, e.g., OpenCV, Python, ML].
 - Secured **2nd Runner-Up** position at **NMIT Hacks 2025**, showcasing innovative problem-solving and teamwork in a competitive hackathon environment."
 - Awarded scholarships for academic and extracurricular excellence.
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SKILLS

- Programming Languages: Python, Java, C, C++
 - Web Development: HTML, CSS, WordPress
 - Computer Vision: OpenCV, Image Detection Algorithms
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EXTRA-CURRICULAR ACTIVITIES

- Active participation in organizing and managing events.
- Engagement in sports and team activities.
- Actively participated in cultural events including Skit Making, Singing, and Advertisement (Ad-Reels) competitions.