

BOBY MONDAL

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SUMMARY

Tech-savvy and detail-oriented student with a strong foundation in Python, Computer Vision, and Java. Passionate about developing real-time applications and leveraging AI to solve real-world problems. Eager to apply and enhance technical skills in a dynamic and innovative environment.

ACADEMIC DETAILS

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

RL Jalappa Institute of Technology, VTU

Expected Graduation: 2026

CGPA: 8.94/10.00

12th Grade

Gnana Jyothi PU Science College

2022

Percentage: 79.00%

10th Grade

Sri Venkateshwara English Medium School

2020

Percentage: 86.08%

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.

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 **Gesture Detection** systems using deep learning and OpenCV for real-time applications.
 - 1st Place - Mini Project Expo**, [RLJIT], for the project "**Hand Gesture Recognition**"
 - Secured **2nd place** in **Ad Reel (Advertisement Making)** competition at an inter-college cultural fest, showcasing creativity and marketing skills.
 - Secured **2nd Runner-Up** position at **NMIT Hacks 2025**, showcasing innovative problem-solving and teamwork in a competitive hackathon environment
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SKILLS

- Programming Languages: Python, Java, C, C++
 - Web Development: HTML, CSS
 - 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.