

# Mekala Keerthan Reddy

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## Summary

B.Tech CSE (Data Science) student at CMRIT with strong problem-solving skills and a passion for AI and data-driven solutions. Proficient in Python, Java, data structures, algorithms, and machine learning. Experienced in competitive programming and software development, with a focus on optimizing performance and building innovative solution

## Education

### CMR Institution of Technology,

(2022-2026)

Bachelor of Technology in CSE(DS) CGPA: 7.44/10 **Coursework:** Data Structures & Algorithms, Operating Systems, Database Management systems, Computer Networks

### ABV Junior college

Intermediate 71.2%

(2020-2022)

### Vani High School

SSC GPA:10/10

(2020)

## Projects

### Virtual Painter

[GitHub](#)

- Built an interactive Virtual Painter using Python, OpenCV, and MediaPipe, achieving 95%+ gesture recognition accuracy in real-time
- Integrated 5+ gesture-based controls, including color selection, eraser mode, and canvas clearing, for a fully touchless drawing experience.
- Optimized computer vision algorithms, reducing processing latency by 30%, resulting in smooth, lag-free drawing at 30+ FPS.
- Incorporated 5 color options with dynamic switching, and gesture-based eraser for enhanced usability.
- Successfully hosted the project on GitHub with 100% documented codebase and showcased expertise in Computer Vision and Human-Computer Interaction (HCI).

**Tech Stack :** Python, OpenCV, MediaPipe , NumPy

### Foodie

[GitHub](#)

- Designed and developed a 100% responsive web-based Online Food Ordering System with multi-page architecture using HTML, CSS, JavaScript, and Node.js backend.
- Built 7+ structured web pages, including Home, Menu, Signup, Login, Cart, Order Tracking, and an Admin Dashboard.
- Implemented Admin panel for managing menu items with CRUD (Create, Read, Update, Delete) operations.
- Organized project using MVC principles, featuring separate public, routes, views, and controller directories.
- Successfully hosted the project on GitHub with clear documentation and planned future enhancements including authentication, real-time tracking, and payment gateway integration.

**Tech Stack :** HTML, CSS, JavaScript, Node.js

## Technologies

**Languages:** C, Java, Python, SQL

**Databases:** MYSQL, MONGODB

**Technologies:** HTML, CSS

## Certifications

EduSkills Android developer virtual intership | [Link](#)  
HTML & CSS | [Link](#)  
Python intership | [Link](#)  
SQL | [Link](#)

## Coding Profiles

- [Leetcode](#)
- [CodeChef](#)
- [CodeForces](#)
- [Geeksforgeeks](#)
- [HackerRank](#)