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: 7.62/10 **Coursework:** Data Structures & Algorithms, Operating Systems, Database Management systems, Computer Networks

ABV Junior college	(2020-2022)

Intermediate 71.2%

Vani High School	(2020)

SSC GPA:10/10

Projects

VirtualPainter   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 internship	Link
SQL	Link

Coding Profiles

- Leetcode
- CodeChef
- CodeForces
- Geeksforgeeks
- HackerRank