Sanath Macha

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Education

VASAVI COLLEGE OF ENGINEERING Hyderabad, India Engineering, Information Technology

GPA   8.83   2021-25

NARAYANA JUNIOR COLLEGE Hyderabad, India Intermediate, MPC, Percentage- 94.2 May 19 – March 21

NARAYANA CONCEPT SCHOOL Hyderabad, Telangana GPA: 9.5 March 19

Skills & Interests

Technical: C, C++, Java, Data Structures, HTML, CSS, DBMS SQL, Python, Spring Boot,

learning Data Science

Languages: English, Telugu, Hindi

Interests: Photography

Projects

HOTEL MANAGEMENT CONSOLE APPLICATION

- Developed a hotel management console application in C, offering functionalities for room booking, program selection, and guest details. Employed concepts such as data structures, conditional statements, file I/O, and modular programming to create an interactive and user-friendly experience.

CONTROLLING POWERPOINT PRESENTATION USING HAND

- The project's objective is to develop a program that allows users to control a PowerPoint presentation using hand gestures.
- The program utilizes computer vision techniques to detect hand gestures using a webcam and then maps those gestures to specific actions such as moving to the previous or next slide or closing the presentation. The goal is to provide an alternative and intuitive way of controlling a presentation without the need for a physical remote or mouse.

SPEAKER ID WITH DEEP LEARNING

- Implemented data pre-processing techniques for speaker identification, including combining audio files, extracting MFCC features, and label encoding.
- Utilized an LSTM neural network architecture to achieve 99.5% accuracy and 99.5% weighted F1 score for speaker identification.

Certifications

- Amazon ML School
- NPTEL Certification for programming in Java
- IBM Data science certification