Maddi Lakshmana Saii

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EDUCATION

CMR Engineering college Hyderabad, India
Bachelor of Engineering, Electronics and communication Engineering September 2023
Cumulative GPA: 6.90/10.00
Relevant Coursework: Data Structures and Algorithms· embedded systems · Artificial Intelligence

Sri Chaitanya Junior College Hyderabad, India
Intermediate (11th & 12th) April 2019
Percentage: 83.6
Relevant Coursework: Mathematics, Physics and Chemistry

Bhashyam High School Andhra Pradesh, India
Secondary School (10th) may 2017
Cumulative GPA: 9.00/10.00

PROJECTS

Fingerprint Based Attendance System (Hobby Project)**:**

- The system utilizes fingerprint recognition technology to track and record attendance, offering a more efficient and accurate alternative to manual methods.
- The Arduino serves as the central processing unit, enabling communication between the fingerprint sensor and the software, facilitating the functionality of the attendance system.
- The system provides advantages such as accurate attendance tracking, eliminating manual methods, improving efficiency, reducing errors, and streamlining attendance management processes.

Leaf Disease Detection Using Image Processing (Mini Project)**:**

- The application of image processing techniques to identify and classify diseases affecting plant leaves, allowing for early detection and intervention to mitigate crop damage and yield loss..
- High-resolution images of plant leaves are captured using digital cameras or specialized imaging devices. These images serve as the input data for subsequent image processing algorithms.
- Various image processing algorithms are employed to analyze leaf images and detect signs of diseases. These techniques can include image segmentation, feature extraction, pattern recognition, and classification algorithms.

Agriculture Drone For Plant Disease Detection And Pest Control (Major Project):

- Agriculture drones equipped with high-resolution cameras or multispectral sensors are used for aerial surveillance of crop fields. These drones capture detailed images and data, allowing for efficient monitoring and detection of plant diseases and pests.
- Agriculture drones can be equipped with pesticide or herbicide spraying systems. Once a pest infestation is detected, drones can precisely target affected areas with the

appropriate treatment. This targeted approach reduces the need for extensive spraying, minimizing chemical usage and potential environmental impacts.

- Agriculture drones provide a faster and more efficient method for plant disease detection and pest control compared to traditional ground-based scouting. Drones can cover large areas of farmland quickly and access hard-to-reach or remote areas, allowing for comprehensive monitoring and timely intervention

Personal projects

Creating a login page(link) and Netflix home page clone(link):

- Successfully created a Netflix homepage clone, taking design inspiration from the official Netflix homepage.
- Developed a professional-looking login page with JavaScript-based login credential verification, requiring Gmail format for emails (e.g., 123@gmail.com) and enforcing a minimum password length of four characters.

Certifications

- Certification on c for everyone: Programming Fundamentals by Coursera.
- Certification on Python(Basic) from HackerRank.

Technical Skills

Languages: C, Python, Java, JavaScript, HTML, CSS
Databases: MySQL
Operating System: Windows

Extra-Curricular & Achievements

- Participated in Science Expo Competition at CMR Engineeringcollege.
- Participated in Dance Program conducted by CMR Engineeringcollege.
- Conducted many fests and events in the college by hosting them with the help of colleague
- Achieved 1st Prize in Kabaddi in Schooling