SAHANA PA

📞 7337886233 ✉ sahanapa05@gmail.com 🔗 www.linkedin.com/in/sahana-pa-77024435b

Technical Skills

Languages : Python, C,C++, Embedded system, Verilog code , Arduino, Data Structures and matlab simulink

Projects

- **Disease detection in Tomato plant using CNN**
  Developed a deep learning algorithm to detect and predict the disease caused to the tomato plant using CNN.This architecture classifies the images taken from database based on specific feature and frame the algorithm to detect and classify into different disease catergory. The algorithm validates the detection capability on the different dataset to improve its accuracy to around 92%.The prediction model in the algorithm predicts the disease accurately with the confidence of 0.9-1.0 rate. The CNN based system is effective for accurate and efficient disease detection in tomato plant**.**

- **Smart ADAS with V2V & V2N for Enhanced Road Safety**
  To build the prototype to avoid collision of car based on ADAS system .This project mainly works on sensors ,Arduino and other components to avoid car collision .This project includes 4 main features – crash detection, alert message, emergency braking and collision avoidance.

Skills

Soft Skills
- Good leadership skills
- Ability to solve instantaneous problems
- Good Analyser
- Good team work and effective learner

Hobbies
- Listening to music
- Writing poetry
- Exploring new places
- Sports(Throw ball and Kho-Kho)
  (Member of college throw ball team)

Education

JSS Academy of Technical Education,Banglore	**2022-2026**
Bachelor of Engineering in Electronics and communication Engineering	*7.82(current)*
CMR PU College ,Banglore	**2020-2022**
Pre university college (State board)	*84.1%*
Vagdevi Vilas Institution ,Banglore	**2019-2020**
Central board of secondary education (CBSE)	*80%*

Certification

Python course - *Cisco Python*
Mathlab onramp - *Mathworks*