Harshini Kamma

Bachelor of Technology
Computer Science And Engineering
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GitHub Profile
LinkedIn Profile

Experience

•Universiti Malaysia Perlis(UniMAP) at Malaysia *Jan-May 23*

Research Intern, Virtual

- Literature work on a "Design and operation of a deep-learning-based fresh tea-leaf sorting robot. " which showed the average accuracy of the four experiments reach 89%, with the highest sorting accuracy reaching up to 92%
- Developed and deployed a highly accurate Convolutional Neural Network (CNN) model capable of identifying two-dimensional images with displacement, scaling, and various forms of distortion invariance; achieved a 15% improvement in image recognition accuracy

•CBRE South Asian Pvt.Ltd. *June-August 22*

Web-developer Trainee and Intern Office-Hyd Virtual

- Trained with HTML, CSS, JavaScrpit for 2 weeks
- Assigned to create a complete responsive Full stack Personal Portfolio website design using HTML, CSS, and JavaScrpit which includes 4 sections and its description.

Projects

•Path Navigation of Autonomous Agents using Artificial Intelligence *2022*

I worked on the project with 5 other people and we were able to address the problem. Role:Team Lead

- Our goal is to create an agent that shows the best route for an autonomous agent to take from one location to another.
- We employ a variety of algorithms, including A*, RRT, RRT*, and Flyod-Warshall, to determine the shortest path between each node or city in a specific region.
- We can utilize any publicly accessible location, such as Google Maps, to execute our algorithm and determine the distance.

•Privacy preserving ML techniques with Authentication protocols for unnamed aerial drones. *2022*

Took the initiative to carry out the project with a group of six members, each of whom worked on individual notions.

- A UAV incorporated with a camera that captures the remote area plight and using image classification techniques and algorithms of (DNN) such as CNN the circumstance of the remote calamity area is detected and analyzed
- We are using CNN which will give 12 percent more improved speed detection

•Segregation of waste using AI and ML(Waste Management) *2020*

Managed to come up with the solution to a real-time problem with my team of 10 members. Role:Team Lead

- Waste produced is 277 million tons/year which is 80% more than the total waste generated in South Asian
- We built this virtual prototype model based on the image detection method help of the TensorFlow inbuilt model. Here, the microcontroller compares its input with the output provided by the camera, recognizes the material, and separates the objects according to their category after the camera has been trained to detect the object up to an accurate rate of 81% .

Skills

Technical Skills: Python, C/C++, HTML, CSS, JavaScript,SQL
Soft Skills: Project Management, Leadership, Planning, Communication
Languages: English, Telugu, Hindi

Positions of Responsibility

•Committee Member, Blockchain Club,SRMAP *2022-2023*

•Student Leader, IR-HS,SRMAP *2022-2023*

Education

•SRM University,AP *2020-24*

BTech and CSE CGPA:8.4/10

•Sri Chaitanya College *2018-2020*

Board of Intermediate Education, AP CGPA:9.3/10

•BGS Central School,Mirjan *2018*

CBSE,Karnataka Percentage: 80%