Bhupendra Huidrom

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PROFILE

B.Tech Graduate in computer science and engineering. Looking to apply my skills and assist with the implementation of innovative ideas and add resourceful working to achieve the corporation's success as well as success for myself as a valuable representation .

PROJECTS

Detection and segregation of plastic waste using a Robotic arm   03/2023 – 07/2023
- Trained and fine-tuned YOLOv5 model to detect and classify plastic waste objects with 90%+ accuracy, resulting in a 50% reduction in false positives and increased operational efficiency.
- Meticulously fine-tuned hyperparameters within YOLOv5 to optimize the detection accuracy, ensuring a minimal margin of error and improved overall performance by 15%.
- Integration of a Robotic Arm with Raspberry Pi. This enabled us to automate the segregation process immediately upon the detection of plastic waste, improving both speed and efficiency.

Voice Assistance Using Python   12/2021 – 05/2022
- Designed and developed a voice assistance system using Python, which recognizes spoken commands with high accuracy.
- To enhance the user experience, I employed the SpeechRecognition module, ensuring the voice recognition component performed seamlessly.
- The Pyttsx3 module was utilized for converting text to speech, employing the Sapi5 technology for high-quality and natural-sounding responses.

QUIZ Web App   07/2021 – 08/2021
- Created a visually appealing and intuitive Quiz App UI by leveraging Bootstrap3 and CSS.
- Implemented Java Scripts DOM methods.

SKILLS

Programming Languages | Python | C++ | Front-End Development | Computer Vision | Java Script | HTML | CSS | React Native | MySQL | DBMS | Bootstrap

Field of Interest
Software Testing , Computer Vision
Web Development , Web Design

EDUCATION

B.Tech (Bachelor of Technology) in Computer Science and Enginnering   07/2019 – 07/2023
Sikkim Manipal Institute of Technology   Majhitar, India

ORGANIZATIONS

Google Developer Student Club   07/2021 – 07/2022
Core Member(Management)