Vizag,India
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Sampath Ganesh Kandregula

Mechatronics Engineering Student

Detail-oriented Mechatronics engineering student with a keen interest on artificial intelligence and robotics.A research enthusiastic and a fast pace learner.

Areas Previously worked

- Robotics
- ADAS
- Text Recognition and OCR
- Computer vision(A.I)
- Sensors and Circuits
- Body tracking and Hand Tracking
- ROS
- Linux and Windows
- Object detection

Technical Skills

Programming/Scripting	MATLAB, Python , c
PACKAGES	Pandas, Scikit-Learn, OpenCV, Matplotlib, NumPy, PyTorch, Mediapipe
Design Softwares And Chipset Boards	Solidworks , MATLAB And Simulink ,Altium Designer(PCB) ,ROS , IPG CARMAKER , Arduino and Raspberry pi

Education

Bachelor of Technology, MECHATRONICS, G.N.A University   **JULY 2019 — JULY 2023**

HIGH SCHOOL(A.P Board) (+2) Chaitanya Junior College,GPA: 9.5/10.00   **MAY 2017 — MAY 2019**

Academic Projects

ANUVADAK
- Currently working on sign Language conversion project
- The project includes conversion of sign language into words using gloves and words into sign language using a mobile app
- The primary technologies using here are Computervision , Embeeded systems and app development

SAE NIS AUTONOM
- Team GNA Autoignite was partcipated in SAE INDIA AUTONOM 2021, It is a virtual competition in which we made a completely autonomous car for Indian conditions in IPG Car Maker software, which created Real-time scenario's, sensor fusion models from scratch.
- At the End we make the competetion upto third round and placed in 4th position (ALL INDIA)in SAE NIS AUTONOM
- Being a captain of Team GNA Autoignite I learned lot of things like Team Management , Project Management ,Leadership

Work Experience

Technical Intern   **JULY-SEPTEMBER 2021**
E-BIBIL TECHNOLGIES   virtual
- During This internship I worked on the Advanced parking system project in which i have developed and deployed a code for automatic number plate recognition (A.N.P.R) and characeter recognition from number plate and transferring information through aws and other protocols

Professional Qualifications and Affiliations

Chairperson of SAE INDIA Collegiate Club of GNA University

Team Captain of GNA Autoignite

Coordinator for GU-IIC (Institution innovation council)

AWARDS HONORS

Best Engineering student of the Year 2022 of GNA UNIVERSITY

AIR 4 in SAE NIS AUTONOM

LINKS

LINKEDIN :- https://www.linkedin.com/in/sampath01/
GITHUB :- https://github.com/sampathganesh01