Aarsh Verdhan

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OBJECTIVE To obtain an internship that will help me to explore new horizons in the field of computer science.

EDUCATION

Degree	College /School	University	Passing Year	Pass Percentage
BTech.	Delhi Technological University	Delhi Technological University	2021	8.2 (Till Sem III)
HSC	Sahoday Sr. Sec. School	CBSE	2017	94.0
SSC	Sahoday Sr. Sec. School	CBSE	2015	9.8 CGPA

PROJECTS

1. *Pollinator Bee EYRC-2018*
   - Implemented various control algorithms such as PID using ROS (Python).
   -Implemented various Object detection algorithms using OpenCV (Python).

2. *Autonomous Underwater Vehicle*
   Worked on the software part of the Autonomous Underwater Vehicles "ARYA 1.0" and "VARUNA 2.0"
   - Implemented various object localization algorithms using OpenCV (C++) and Deep Learning.
   -Developed the control stack for the communication of rosnodes using ROS(C++).

3. *3D Reconstruction of Stereo images*
   Developed a system to generate 3D coordinates of a point from stereo images.
   -Implemented a camera callibrator to get the camera matrix.
   -Implemented the algorithms of pose estimation and depth mapping.
   -Built using Opencv in python.

4. *Wallpaper Changer to Spotlight Images (Windows)*
   Developed a software to change windows wallpaper to spotlight images.
   -Implemented file handling.
   -Implemented the OS library of pyhton.
   -Built using python.

5. *Using Mobile Phone to collect IMU and Camera data*
   Developed a software to obtain IMU and Camera feeds from a phone using Roslibjs.

-Built using javascript.

6. *Created a chrome extension to manipulate Youtube*
   Developed a chrome extension to manipulate youtube eg. skipping ads faster.
   -Built using javascript.

7. *Developed an Android app "Anonytter" as anonymous twitter*
   Developed an android app to post anonymous tweets.
   -Built using java and XML.

8. *Developed an Image Classifier using MNIST dataset*
   implementation done using Keras.
   -Built using Python.

9. *Built DTU-AUV website*

   -Built using Express and MongoDB