Midhun Sannareddy

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PROFILE

To obtain a creative and challenging position in an organization that gives me an opportunity for self improvement and leadership, while contributing to the growth of the organization with my technical, innovative and logical skills.

SKILLS

Python :

C++ :

MATLAB :

CAD :

ROS :

labVIEW :

LANGUAGES

English
Telugu
Hindi

PROJECT EXPERIENCE

Control algorithm for autonomous under water vehicle

Designed an control algorithm for autonomous under water vehicle using MATLAB and ROS which is used to control a underwater vehicle to maintain a constant depth, ROS gazebo environment is used to simulate an LAUV on which the control algorithm designed has been implemented.

Solar panel with automated solar tracking system

Designed an automatic solar tracking system using Arduino Uno which tracks the sun's position in sky and adjusts the solar panel such that it always faces the sun in order to get the maximum intensity of light.

Automated plant watering system

Designed an automatic plant watering system using Arduino Uno which waters the plants automatically according to the soil moisture such that the soil moisture stays in the ideal level for a specific plant.

EDUCATION

Mechatronics Engineering, Manipal University (2018 – 2022)
CGPA – 8.75

Class XII, Narayana Jr College (2017)
Percentage – 90.9

Class X, Vowel Techlan School (2015)
CGPA – 8.8