SOUJANYA AVADHANI MD

EDUCATION

R V College of Engineering

Pursuing
B.E. in Electronics and Communication Engineering: 9.50/10

Vidya Mandir Education Society
PUC: 98.16%
SSLC: 98.72%

PROJECTS

EDA tool for Scheduling, Binding and Verilog file generation

A project in python to schedule operations in temporal domain, bind them to resources available on a chip in spatial domain and convert the same into a Verilog file.

Planter Bot

E-Yantra Robotics Competition – 2017, IIT-Bombay: Third place
A project to simulate the process of plantation depending upon the terrain based on Computer Vision.

Pothole Detector

A module to gauge the intensity of the potholes and help the public to choose a convenient route and also to assist the civic authorities in fixing them. It implements a machine learning based algorithm to identify potholes using the data read from accelerometers.

Standing Wheelchair Monitoring System

Internship Project at IMOV Motion Tech Pvt. Ltd. associated with IIT-Madras
An ATMEGA micro-controller based product to track and monitor the usage of standing wheelchairs distributed by the government. It enables the user on the server side to find the utilization time of the standing wheelchair.

Forest Fire Alert

A neural network based learning algorithm to predict the probability of occurrence of a forest fire on the basis of the climatic data of that region.

TECHNICAL SKILLS

Programming Languages: Python, C
Platforms: Raspberry Pi, Arduino

COLLEGE ACTIVITIES

Documentation Head and *Senior member of Autonomous subdivision* of technical club *Astra Robotics.*

INTERESTS

Playing Badminton and Singing

Details
8277399387
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Links
GitHub Repository