

DEEPANSHU SINGH

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CARRIER OBJECTIVE

To work in an organization with positive work driven environment where I could freely drive my knowledge and skills to fulfill the goals of the organization.

EDUCATION

National Institute of Technology- Delhi(2021-2023)

Masters of Technology, Department of Electrical Engineering

8.43 CGPA

Dr.Akhilesh Das Gupta Institute of Technology and Management(2016-2020)

Bachelor of Technology, Department of Electrical and Electronics Engineering

8.24 CGPA

Laxmi Public School(2016)

XII(Senior Secondary), CBSE.

89%

Laxmi Public School(2014)

X(Secondary), CBSE

9.4 CGPA

WORK EXPERIENCE

Circuitree, Delhi

July 2019

Research and development of electronic circuits and designing their circuit board layouts.

Adeep My IT solution Pvt Ltd, Delhi

March,2020

Provide remote surveillance and control over equipments using Raspberry Pi based servers.

PROJECTS

Weather Station

IoT based Weather Monitoring Device with Wind Speed, Wind Direction, Temperature and Pollution level monitoring.

Steady Output and Fast Tracking MPPT for Perturb and Observe

Algorithm development and implementation for fast tracking of Maximum power point of a solar panel with zero steady state oscillations.

Linear Quadratic Regulator on Atmega2560

A self balancing robot based on Linear Quadratic Regulator using Arduino Mega and the remote control was designed based on X-bee module for wireless controlling.

Wireless Power Monitoring Switch

This switch works on local server based on RaspberryPi 3b+ and uses Home assistant server to integrate with Google Assistant using MQTT protocol.

Class E chopper

Designing and implementation of an automated class E chopper in MATLAB/simulink .

Thirsty Crow

This path finder, line following bot uses IR transmitters and receivers along with Atmega2560 micro-controller to follow a path of black line to pick and drop pebbles from certain positions in the arena.

TECHNICAL STRENGTHS

Modeling and Analysis

MATLAB, EagleCAD, EasyEDA and Proteus Design Suite.

Development Boards

Arduino Uno, ESP8266, NucleoF446RE, Atmega2560 and Raspberry Pi.

Programming Languages

C, C++(Coding Ninjas Certified)

ACHIEVEMENTS

Finalists for E-yantra Robotic Competition 2018 at IIT-Bombay.

Winner of Internal Hackathon for Smart India Hackathon 2020.