DEEPANSHU SINGH

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CARRIER OBJECTIVE

To start working 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

Dr.Akhilesh Das Gupta Institute of Technology and Management(2016-2020)
Bachelor of Technology,Department of Electrical and Electronics Engineering CGPA:8.24
Laxmi Public School(2016)
XII(Senior Secondary),CBSE. Percentage:89
Laxmi Public School(2014)
X(Secondary),CBSE. CGPA:9.4

WORK EXPERIENCE

Cirkitree, 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 other automated features using Raspberry Pi based servers.
Chegg India(Online Platform) November,2019-March,2020
To provide the solutions to the questions on the subjects of Electrical Engineering.

PROJECTS

Weather Station
IoT based Weather Monitoring Device with Wind Speed, Wind Direction, Temperature and Pollution level monitoring.
Linear Quadratic Regulator on Atmega2560
A self balancing robot based on Linear Quadratic Regulator using Arduino mega also the remote was designed based on X-bee module for wireless control.
Wireless Power Monitoring Switch
This switch works on local server based on RapsberryPi 3b+ and use Home assistant server to integrate with Google Assistant using MQTT protocol.
Thirsty Crow
This path finding line following bot uses IR transmitters and receivers along with Atmega2560 microcontroller 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.
Development Boards	Arduino, ESP8266, NucleoF446RE, Atmega2560, Raspberry Pi.

CERTIFICATIONS

Basics of Programmable Logic Controller and Supervisory control and data acquisition- Sofcon
Foundations of Embedded Systems with ARM Cortex and STM32-Udemy.
Embedded Systems Programming on ARM Cortex-M3/M4 Processor-Udemy.

ACHIEVEMENTS

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

Winner of Internal Hackathon for Smart India Hackathon 2020.