DEEPANSHU SINGH

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EDUCATION

Dr.Akhilesh Das Gupta Institute of Technology and Management(2016-2020)
Bachelor of Technology,Department of Electrical and Electronics Engineering   CGPA: 8.23

Laxmi Public School(2016)
XII(Senior Secondary),CBSE.   Overall Percentage:89

Laxmi Public School(2014)
X(Secondary),CBSE.   Overall CGPA:9.4

CARRIER OBJECTIVE

To obtain an internship working with experienced electronics engineers, that will utilize my strong design and programming skills.

PROJECTS

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

Linear Quadratic Regulator on Arduino Mega
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

CERTIFICATIONS

Foundations of Embedded Systems with ARM Cortex and STM32-Udemy.
Embedded Systems Programming on ARM Cortex-M3/M4 Processor-Udemy.

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)   Started Nov,2019
To provide the solutions to the questions on the subjects of Electrical Engineering.

ACHIEVEMENTS

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

Winner of Internal Hackathon for Smart India Hackathon 2020.