

# DEEPANSHU SINGH

Github:[github.com/inghanshu312](https://github.com/inghanshu312)

(+91)9650719201

LinkedIn:[www.linkedin.com/in/deepanshu-singh-45b068162](https://www.linkedin.com/in/deepanshu-singh-45b068162)

[inghanshu312@gmail.com](mailto:inghanshu312@gmail.com)

## EDUCATION

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### **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

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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.

## PROJECTS

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### **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 micro-controller to follow a path of black line to pick and drop pebbles from certain positions in the arena.

## TECHNICAL STRENGTHS

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### **Modeling and Analysis**

MATLAB, EagleCAD, EasyEDA.

### **Development Boards**

Arduino, ESP8266, NucleoF446RE, Atmega2560, Raspberry Pi.

## CERTIFICATIONS

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Foundations of Embedded Systems with ARM Cortex and STM32-Udemy.

Embedded Systems Programming on ARM Cortex-M3/M4 Processor-Udemy.

## WORK EXPERIENCE

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### **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 other automated features using Raspberry Pi based servers.

### **Chegg India(Online Platform)**

Started November,2019

To provide the solutions to the questions on the subjects of Electrical Engineering.

## ACHIEVEMENTS

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

Winner of Internal Hackathon for Smart India Hackathon 2020.