# 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 @ 8.24 CGPA
**Laxmi Public School(2016)**
XII(Senior Secondary),CBSE. @ 89%
**Laxmi Public School(2014)**
X(Secondary),CBSE. @ 9.4 CGPA

## 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 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.

## 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.