

# UJJAWAL SINGH

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Github : <https://github.com/Ujjawal-1709>  
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## SUMMARY

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Hardworking and motivated student pursuing **B. Tech** degree eager to contribute developed knowledge in **Software Engineer** role. Skilled in **IoT** and **Java Programing** Adaptable and driven with strong work ethic and motivation to thrive in team-based or individually motivated settings.

## ACADEMIC QUALIFICATIONS

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WOODLAND ACADEMY, GORAKHPUR

10<sup>th</sup> Board CBSE || 89.3% || 2016

R.S.M. SENIOR SECONDARY SCHOOL, GORAKHPUR

12<sup>th</sup> Board CBSE || 86.8% || 2016 – 2018

RAJKIYA ENGINEERING COLLEGE, KANNAUJ

B. Tech || ECE || Pursuing with 81.0% || 2019 – 2023

## LANGUAGES

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English – Fluent

Hindi – Fluent

## SKILLS

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|----------------|--------------|---------------------|----------------------|
| ◆ Java         | ◆ HTML       | ◆ Arduino           | ◆ Flexible           |
| ◆ DSA          | ◆ CSS        | ◆ Embedded C        | ◆ Creative           |
| ◆ C Programing | ◆ JavaScript | ◆ Node-Red          | ◆ Logical Thinking   |
| ◆ MATLAB       | ◆ MS-Office  | ◆ Analytical Skills | ◆ Project Management |

## CERTIFICATIONS

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**Developing Soft Skills and Personality (NPTEL)**

**Python      Internet of things      JavaScript**

**TCS iON Career Edge - Young Professional Course**

## PROJECTS

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- **Traffic Light Control System**

This project was based on “Arduino UNO” and this involves controlling the traffic bulbs by Arduino UNO after some given delay. This project was performed on the “Tinkercad” platform and in hardware form as well.

- **Sun Tracking Solar Panel**

This project was based on “ATMEGA 328 Microcontroller” and that microcontroller was loaded with the code with the help of “Arduino UNO”. This project was implemented in hardware form.

- **Obstacle Avoidance Robot**

This project was also based on “Arduino UNO” and this project involves the movement of the Robot body according to the obstacle come in their path which is detected by “Ultrasonic Sensor” and the movement of the body is done with the help of “Hobby Gearmotor”.

- **Dashboard And Data Analysis for IoT Application**

This project is done by using node red. In this project many Dashboards are created using node red and Data of Current Weather of any particular city is analyzed using API Key from a website called openweathermap.org . And Along with Previous Data of Earthquake is Analyzed in the project using a CSV file.

- **Crop Health Monitoring System using IoT and ML**

This project is done by using Arduino. In this project the health condition of crop is measured using Camera and various type of sensors. Sensors like NPK Sensor is used to detect the nutrients level of soil, Soil Moisture sensor is used for measure moisture in soil as well as many sensors are used in it. The code of this program is uploaded in the system using Arduino IDE.

## OTHER PROJECTS

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- **Personal Portfolio Website**

This project includes creation of a portfolio website using HTML5, CSS. This web page can be opened in Mobile phones as well as Computers. And this website is hosted using GitHub page.

- **Grocery Store Page**

This project includes creation of a website for Grocery Store using HTML5, CSS. This web page can be opened in Mobile phones as well as Computers.

- **Instagram Clone Page**

This project was made on a website called Codedamn. This project includes some images posted by followings of the person and it also showing the feeds. This web page can be opened in Mobile phones as well as Computers.

## **INTERNSHIP**

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### **INTERNET OF THINGS INTERN**

Apsis Solutions Private Limited || Karnataka || March, 2022 – June, 2022

### **SOFTWARE DEVELOPMENT INTERN**

Algocubes Private Limited || Noida || July, 2022 – August, 2022

## **INTERESTS**

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- **Travelling**
- **Cricket**
- **Music**
- **Gardening**
- **Technology**