



# Piyush Kachhwal

Aspiring Electronics and Communication Engineer

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## EDUCATION

### B.Tech Electronics and Communication Engineering

Lovely Professional University

2019 - Present

CGPA: 7.83

### XII

Pink City International Senior Secondary School

2017 - 2018

Percentage: 79.8

### X

Somani International School

2015 - 2016

Percentage: 86.33

## PROJECTS

### Digital Clock

- Digital clock using 16\*2 LCD and TIVA C tm4c123gh6pm Microcontroller
- **Project Video Link:** <https://drive.google.com/file/d/1frQueWVuFtYryfBQRbkRvLecjQqzBYBu/view?usp=sharing>

### IoT based Water Management System

- An Internet of things project which have different water sensors like TDS sensor, water flow sensor, water pH sensor, water level Indicator to collect data and send it to Matlab's ThingSpeak IoT cloud

### Suraksha Ghera

- A physical distance maintaining alarm device for COVID-19 which gives warning sound when a person is closer than 1 meter from another person
- **Project Link:** <https://github.com/PiyushK102/Suraksha-Ghera>

### Home Automation

- Home Automation using Bluetooth module HC-05, Relay Module and Arduino UNO Microcontroller
- **Project Link:** <https://github.com/PiyushK102/Home-Automation-using-Bluetooth-and-Arduino>

## SKILLS, TOOLS AND SOFTWARES KNOWN

Circuit Designing

Proteus(v8.9)

TIVA C Launchpad

Arduino UNO/NANO

NODE MCU ESP8266

C/C++

Tinkercad

Energia IDE

MATLAB/SIMULINK(v2020a)

Arduino IDE

Microsoft Visual Studio Code

Code Composer Studio

## ACHIEVEMENTS

5th position in Havells Hardware Hub-Fest (2022)

2nd Runner-up in Aarohan'21 Onspot Hackathon (2021)

1st Runner-up in IGNITED MINDS IDEATHON (2021)

## INTERNSHIPS/TRAININGS

Highradius (01/2022 - 04/2022)

*Developing a payment date prediction Machine Learning model*

Embedded Systems and IoT from Techienest Private Limited(Training) (06/2021 - 07/2021)

Embedded System Design from EdGate Technologies Private Limited (07/2020 - 08/2020)

\*\*\*\*\*Link for folder of Certificates \*\*\*\*\*

[https://drive.google.com/drive/folders/1v1qqDX419u3qplLJbtZUsYFjUI\\_8aYhg?usp=sharing](https://drive.google.com/drive/folders/1v1qqDX419u3qplLJbtZUsYFjUI_8aYhg?usp=sharing)

## LANGUAGES

ENGLISH

*Professional Working Proficiency*

HINDI

*Native or Bilingual Proficiency*