



# SHUBHAM RAJPUT

STUDENT

## ABOUT

Enthusiastic, high-motivated Mechatronics student with leadership capabilities, thinking skills, logical capabilities who likes to take initiative and seek out new challenges

## PROFESSIONAL SKILLS

Python  
C,C++,C#  
Arduino [ Embedded ]  
Autodesk AutoCAD  
Microcontrollers  
[NodeMCU,Arduino Mega,Nano, Mini]  
Batch Scripting  
OpenCV  
Tensorflow  
Keras  
Numpy  
Matplotlib  
PCB designing

## PERSONAL SKILLS

Creative spirit  
Organized  
Team player  
Fast learner  
Motivated  
Video Games  
Artificial Intelligence  
Mindfulness

## CONTACT

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## EDUCATION

### SECONDARY SCHOOL, JAIN BHARATI MRIGAVATI VIDYALAYA

2015 - 2016  
CGPA - 9.4

### Senior Secondary School, Jain Bharati Mrigavati Vidyalaya

2017 - 2018  
CGPA - 8.1

### Bachelor of Technology, Delhi Institute of Tool Engineering

2018 - 2022  
PURSUING  
CGPA - 8.0

## OPEN SOURCE PROJECTS

### 3x3x3 LED Cube

27 LED (Light Emitting Diode) in the form of a cube is used to create a pattern with a variety of effects performed by the LED. Cube is accommodated to keep performing

### Rclone Telegram Bot

Rclone is the software to copy, urges, the imposition of data from one server to another or upload or sync and many more task, all these are performed my Telegram Bot when a specific command is given.

### Image Detection With YOLO

With the help of YOLO functions the detection of the object in the image takes place, also puts them in a box with specifying what it is putting in the box with how much system is shure.

### Number Plate Detection

When an image or live stream is provided to the system it identifies the number plate of a vehicle by putting the plate into the box.

### Image / Face Rrecognition

When the system is trained with the set of images, and when a different image is provided or live streamed it can tell what it is.

### MINI Drone

Mini Quadcopter with low thrust and about 8 minutes of flying time and can fly at the same height by itself.