

UTCARSH AGRAWAL

3rd year B.Tech, Electrical & Electronics Engineering
JSS Academy of Technical Education, Noida

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Education

2018	12 th (Senior Secondary Examination) Central Board of Secondary Education	93%
2016	10 th (Secondary Examination) Central Board of Secondary Education	10 CGPA

Projects

COLLEGE FEST	ANDROCAR <ul style="list-style-type: none">Used Arduino microcontroller along with LM35 IC, ultrasonic sensors, IR sensors and HC-05 bluetooth moduleAlso designed an app for controlling it
ACADEMIC PROJECT FOR 3 rd semester	MOTION DETECTOR SECURITY SYSTEM <ul style="list-style-type: none">IoT based security system with email and message alertsUsed NodeMCUv1.0 and PIR sensor as major componentsAlso used altairsmartworks.com as a cloud platform through which alerts were sent
SIH 2020	AUTOMATED ATTENDANCE SYSTEM <ul style="list-style-type: none">Image recognition based attendance systemDesigned a program in python using computer vision library which detects the image and mark the attendance
HACKCORONA COMPETITION	Mr.DOCBOT <ul style="list-style-type: none">An interactive chatbot which is used to ask general queries about corona virus.Designed a machine learning based program using Tensorflow libraryAlso created a simple website on which the bot actually runs
REVA HACKATHON 2020	IMAGE RECOGNITION BASED PASSCODE LOCK(CONTACTLESS) <ul style="list-style-type: none">It is a Deep Learning Based Project which is used to reduce contact with the surfaceHand gestures are shown and the camera detect the numbers and accordingly it will workUseful for elevators/lifts and electronic keypad locksA hardware model to demonstrate how it can be applied is also created.

Technical Skills

PROGRAMMING	<ul style="list-style-type: none">C, PythonMachine LearningDeep Learning
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- Data Science
- Keras, PyTorch
- Arduino IDE
- SQL

Interests

HARDWARE

Fond of using new technologies
Developing IoT devices

SOFTWARE

Data Science Passionate