

# Saurav Kumar

## R é s u m é



### personal details

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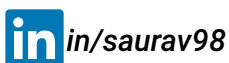
Date of Birth  
**December 05, 1998**

Gender  
**Male**

Nationality  
**Indian**

Address  
**H.NO: 2903/2  
Sector 47-C, Chandigarh  
160047, India**

Websites



### career objective

A third year Electronics and Communication student with a great passion and enthusiasm for development in the field of Robotics and Embedded Systems. I am extremely dedicated and hard working and seeking for Internship at e-Yantra, IITB.

### education

S.NO	Degree/Exam(with Discipline)	University/ College/ Board	Year of Passing	Percentage of marks/ CPI
1.	BE(ECE)	UIET,panjab University	2020	8.40
2.	Higher Secondary School(Class 12)	K.V.3BRD, AFS, Chandigarh,CBSE	2016	88.60%
3.	Secondary School(Class 10)	K.V.3BRD, AFS, Chandigarh,CBSE	2014	95%

### projects

#### 1. Pick and Place Bot

Built a Pick and Place Bot on the theme of thirsty crow In the E-yantra with the help of Path solving Algorithm and Augmented Reality. Based on the ATmega2560 microcontroller.

#### 2. Server based pollution monitoring system(IOT)

Developed a device which will be used to monitor the pollution level and the temperature of the particular site and update the information on the web page as well as on the Excel sheets.Also had mail and sms alerts. The advantage of using this device is that it is low cost ,easy to use compared to other devices in the market.

#### 3. CNC PLOTTER

This project is based on designing a 2D- plotter which can plot any image or any script on a particular page. In this project first we have to do the hardware part which is designing of plotter and then we have to work on software part which is the generation of the G-code of the image which we want to plot.This can be further modified so to plot any script in our own handwriting. Project Link: <https://drive.google.com/folderview?id=1c1WKXYKnKe-JWh214p9ESyvSVbsgZGpb>

#### 4. Other Projects

IoT based Home Automation using NodeMCU | Piezoelectric Based Shoes for Energy Harvesting and Wireless Transmission | Gesture Controlled Bot.

## training

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- **Professional Training** (Undergraduate level) in C programming | Institue name: FORTUNE INSTITUTE | Date: (03 June 2017 - 18 july 2017 ) | Key Skills Involved: C Programming.
- **Online Training** in Internet of Things | Institute Name: Internshala | Date: (1 september 2018 - 28 september 2018) | Key Skills Involved: IOT, Python, Server

## work experience & internships

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- **Design Innovation Centre(DIC), UIET, PU** | Period: January 2019-Current | Mentor: Yajvender Pal Verma (Asstt. Professor) | Key Skills Involved: Electronics, Circuit Designing. | Position: Paid Intern.
- **Telecommunication Lab, UIET, PU** | Intern - (June 2018 - July 2018) | Developed a Nodemcu based device which is used to monitor the pollution level of environment in the Panjab university campus .

## research publications

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1. none

## technical skills

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- **Languages**  
Programming: C, C++, Assembly | Scripting: Python | Others: HTML, CSS,  $\text{\LaTeX}$
- **Microcontrollers / Development Boards Knowledge**  
ATmega Series (AVR), Arduino, Intel 8051, NodeMCU, GSM Module
- **Software Knowledge**  
Proficient in Arduino IDE, Blender, MATLAB, Atmel Studio, Keil uVision and Microsoft Office.
- **Other Skills**  
Augmented Reality, 3D printing.