

# Saurav Kumar

## R é s u m é



### personal details

Phone  
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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

 **hacksaurav**

 **in/saurav98**

### 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.

## soft skills

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1. I have a strong Work Ethic and I am Self-Motivated to complete the tasks through Hard Work, Dedication and Professionalism. I am a good Leader and have handled positions of Responsibility in the past, as well as, have been; a Collaborative, Efficient and Supportive; Team Member. I try my best to complete any Challenging task upto the Highest Standard, while managing my Time Optimally.
2. **Languages: Full Professional Proficiency** English and Hindi | **Limited Working Proficiency** Spanish (Still Learning) | **Native** Angika

## extra curricular activities

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- **Event Head** | Technical Events| Goonj Official fest of UIET
- **Programming Club Of UIET** | In this we take sessions on robotics, electronics and current programming Trends.
- **NSS** | Was active member of NSS from (2014-2016), taken part in many social activities as volunteer.
- **House Captain** | Was the house captain of Ashoka House and had Organized many events.
- **School Sports meet** | Won 1st prize in 100 and 200 meter sprint.

## co-curricular activities

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1. **Rank 5th** | In E-yantra national Finals held at IIT Bombay |Thirsty Crow.
2. **2<sup>st</sup> Prize** | CTF(Capture the Flag)| Inter college Competetion in Panjab University.
3. **Quarter-finalist** | Reached to quarterfinals of IICDC Innovation challenge of Texas Instruments.
4. **Mentoring** | Contributed in designing projects under UIET Tinkering Lab as a Student Mentor in the category of electronics & programming.

## personal information

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- **Father Name** : Sujeet Kumar
- **Mother Name** : Nutan Devi
- **Date of Birth** : December 05 1998
- **Martial Status** : Not Married

## references

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- **Dr.Sakshi Kaushal**, Professor, Department of Computer Science and Engineering, UIET, Panjab University, sakshi@pu.ac.in