



# AKRITI

Electronics and Communication Engineering  
National Institute Of Technology Jalandhar  
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## Academic Details

Examination	University	Institute	Year	CGPA / %
Graduation	NIT Jalandhar	NIT Jalandhar	2015-2019	8.71
Intermediate/+2	CBSE	AV Public Sen. Sec School	2014	84%
Matriculation	CBSE	AV Public Sen. Sec School	2012	10

## Professional Objective

Seeking a suitable and rewarding Intern, with an esteemed Organization, that would offer advancement in potential, challenges and opportunities to zoom my career growth, contributing to the success of the Organization.

## Projects

- **Personal Website**  
<https://akriti31.github.io/>
- **Object Tracking Self Balanced Robot**  
June 2017  
Designed to **Track an Object** with a **Self Balancing** Feature.  
**Equipments Used:** Raspberry Pi 3, OpenCV, 6 Dimension Gyro Sensor.
- **Joystick Controlled Obstacle Avoiding Robot**  
June 2017  
In this project, an **Obstacle Avoiding Robot** controlled by a **Bluetooth enabled joystick** is designed.  
**Equipments Used:** Arduino Uno, Arduino Nano, Ultrasonic Sensor, Gyro Sensor.
- **Brain Computer Interface**  
Oct 2016 – Present  
This project is based on the operation of a device using **Brain Stimulus** guided by **Dr. Nitu Sood**.  
**Equipments Used:** Biopac, SSL-32, Arduino
- **Intelligent Street Light**  
August 2017 – Present  
This project focuses on **Street Light** powered by **Walking Energy** and also has applications such as **Lunar Resonance, Automatic ON/OFF, Wrong Turn Warning** etc.  
Under the **Make in India** innovative.
- For **OpenCV Python** and **Web Scraping** Projects refer to:  
<https://github.com/Akriti31>

## Internship

- **Internet Of Things Intern:**  
Indian Institute of Technology, Indore  
June 2017      4 weeks

## Skills

### Software Skills:

- Languages & Skills: Python ,C , C++
- Web Designing: HTML , CSS , BOOTSTRAP
- Software: VMware
- Other Skills: Internet of Things , OpenCV , Web Scrapping

### Technical Skills:

- RaspberryPi
- Arduino
- MATLAB
- MultiSIM & PSpice Simulator
- Circuit Design

## Training

- **Python-Introduction to Computer Science and Programming:**  
MIT OPEN COURSEWARE (Online) May 2017-July 2017
- **HTML, CSS, and JavaScript for Web Developers:**  
Coursera (Online) Nov 2016 - Dec 2016
- **Matlab:**  
COLLEGE (Jalandhar) Oct 2016 - Oct 2016
- **MultiSIM:**  
COLLEGE (Jalandhar) Nov 2016 - Nov 2016

## Achievements

- Secured Rank 13 in National Math's Olympiad at regional level (2010).
- Selected in Top 10% students in NSTSE (2009).
- Runner up in technical competition Maze Runner.

## Extra-CurricularActivities

- National Level Table Tennis Player and College Table Tennis team Captain.
- Runner up in IIT Mandi Table Tennis Tournament 2016 & 2017.
- Participated and won various Classical Dance Competitions.
- Represented school in several inter-school Debate and Quiz competitions.

### Declaration:

I hereby declare that all the information is true to my knowledge.

**AKRITI**