



AKRITI

Electronics and Communication Engineering
National Institute Of Technology Jalandhar
MOB: +91-7087443144
<https://github.com/Akriti31>
akritimonga01@gmail.com



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, this would offer good advancement potential, challenges and opportunities to zoom my carrier growth, contributing to the success of the Organization.

Projects

- **Object Tracking Self Balanced Robot**
June 2017
(OpenCV, Python and RaspberryPi)
A project based on OpenCV and Raspberry Pi 3 to track any object (ball) and self balanced on two wheels using Gyro Sensor.
Equipments Used: Raspberry Pi 3, Bot, 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
A project based on the operation of a device using brain stimulus under Dr. Nitu Sood.
Equipments Used: Biopac, SSL-32, Arduino
- **Intelligent Street Light**
August 2017 – Present
These projects focuses on the charging of street lights using walking energy and also have many applications 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 Research 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 Scraping

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.
- Participated in various technical competitions like Maze Runner, Code Unlocked,Code it ,Bridge it etc.
- 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.

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