



AKRITI

Electronics and Communication Engineering
National Institute Of Technology Jalandhar
MOB: +91-7087443144

<https://github.com/Akriti31>

<http://linkedin.com/in/Akriti31>

akritimonga01@gmail.com

Academic Details

Qualification	University	Institute	Year	CGPA / %
Graduation	NIT Jalandhar	NIT Jalandhar	2015-2019	8.74 (Till 5 th Sem.)
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 opportunity 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/>
- **Development of Hyperspectral Data Processing Tool Using Python**
Development of Open Source Software for Hyperspectral Data Processing under the guidance of Mr. Vinay Kumar (Scientist /Engineer)
- **Face and Eye Detection**
Programmed using OpenCV Python.
<https://github.com/Akriti31/Face-and-Eye-Detection>
- **Object Tracking Self Balanced Robot**
Tracks an Object with a Self Balancing Feature.
Equipment Used: Raspberry Pi 3, OpenCV, 6 Dimension Gyro Sensor.
- **Joystick Controlled Obstacle Avoiding Robot**
Equipment Used: Arduino Uno, Arduino Nano, Ultrasonic Sensor, Gyro Sensor.
- **Brain Computer Interface**
Operates a device using Brain Stimulus guided by Dr. Nitu Sood.
Equipment Used: Biopac, SSL-32, Arduino.
- **Intelligent Street Light**
August 2017 – December 2017
This project focuses on **street lights** powered by **walking energy** and also applications as lunar resonance, automatic on/off, wrong turn warning etc.
Selected for **Phase II** of the **Make in India** innovative.
- For **OpenCV Python** and **Web Scraping** Projects refer to:
<https://github.com/Akriti31>

Internship

- **Software Development Intern:**
Indian Institute of Remote Sensing / ISRO
June 2018 -Present
- **Internet Of Things Intern:**
Indian Institute of Technology, Indore
June 2017 4 weeks

Skills

Software Skills:

- Languages & Skills: Python ,C , C++ ,MATLAB , Embedded C
- Web Designing: HTML , CSS , BOOTSTRAP
- Other Skills: Software Development , Machine Learning ,Image Processing ,OpenCV

Technical Skills:

- Internet of Things
- RaspberryPi and Arduino
- Web Scraping
- Xilinx/Vivado
- MultiSIM & PSpice Simulator
- Circuit Design

Training

- **Machine Learning**
Udacity (Online) Dec 2017-Present
- **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

- Cleared First Level of DST & Texas Instruments India Innovation Challenge Design Contest 2017
- Secured Rank 65 in Nucleus Software Competitive Coding Test (HackerEarth).
- 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-Curricular Activities

- 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.