

## Education

2016-2020 (Expected)	B.Tech in <b>Electronics and Communication Engineering</b> <b>Jaypee University of Information Technology</b> , Waknaghat	GPA: 7.0/10.0
-------------------------	--	---------------

## Technical Skills

Programming	<i>Proficient:</i> C++, Python, Javascript <i>Competent:</i> Java, Golang, PHP
Libraries / Frameworks	Node.js, ReactJS, Tensorflow, Keras, OpenCV, ROS
Databases	MySQL, MongoDB
Systems / Platforms	Git, AWS, Docker, Azure, Linux

## Work Experience

Jul 17 May 17	<b>Machine Learning Intern</b> - Interpret data on price, yield, stability, future investment-risk trends, economic influences, and other factors affecting investment programs using Data Analytics. - Worked on Data Scrapping, Fuzzing, Preprocessing on Documents and Setting up a multi-label Classifier.	<b>USHR, India</b>
------------------	--	--------------------

## Academic Projects

- **Implementation of Digital Filter in Real Time using DSP C2000 Launchpad**  
Designed and implement FIR and IIR digital filters in real time on the DSP C2000 LaunchPad using audible signals and tones acquired in 4 different channels and the option to mix these signals individually as part of DSP Course.
- **Microwave circuit optimization for impedance matching.**  
Wrote Object oriented Python Script for Optimized Impedance matching in Microwave RF circuit.
- **Data Communications in Python**  
Wrote multiple python script for explaining frequency-amplitude relationship for various Data Communication types.
- **Response Detection in Verilog**  
Built an end to end system for early signal detection in Verilog. Computed D to Q delay and clock to Q delay for determining response delays. The application is Buzzer type Quiz system devices.

## Hackathons & Competitions

Current	<b>Pedestrian Safety Device</b> - Built a Pedestrian Detection Pipeline using INRIA dataset and YOLO model with Darknet framework. Comparatively analyzed the efficiency of alert trigger with INRIA and DALIMAR datasets.	<b>Smart India Hackathon '19</b>
Nov 17	<b>IoT based Pollution Monitoring and Waste Management for smart cities</b> - Won 2nd Prize for building a Smart City smart waste management dashboard with various utilities created for municipalities. The dashboard was built with a NodeJS backend and had several utilities including plots, optimal routes, grievance portal and municipal vehicle finder to name a few.	<b>Smart Cities Hackathon-'18</b>
Feb 17	<b>Underwater Glider for Real Time Mapping with SensorTag IoT System</b> - Accomplished automated glider controlled movement with a ballast system. Developed obstacle-avoiding feature and Interfaced TI CC2650STK SensorTag with Raspberry Pi to retrieve data in real time.	<b>Murious 2017</b>

## Extracurricular & Leadership

Current	<b>Maintainer</b> , MetaJUIT Wiki	
Current	<b>Coordinator</b> , JYC Media & Publicity Committee - Leading a group of 45 students in areas of Digital Marketing (SMM, Email-Campaign), Graphic Designing/Video Editing	
Current	<b>Overall Coordinator</b> , TIEDC   E-Cell of JUIT - Actively building a vibrant startup ecosystems in Himachal Pradesh. I managed and coordinated with a team of 40 volunteers to organize Techstars Startupweekend Solan.	
Dec 2018	<b>Team Head</b> , Robotics & AI Team, ACM JUIT - Responsible for forming event policies and managing Robotics & AI Projects in ACM Student Chapter of JUIT.	