

## Education

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

<b>Programming</b>	<i>Proficient:</i> C++, Python <i>Familiar:</i> JavaScript, Go
<b>Libraries / Frameworks</b>	Node.js, ReactJS, Tensorflow, Keras, OpenCV, ROS
<b>Databases</b>	MySQL, MongoDB
<b>Systems / DevOps</b>	Git, AWS, Docker, Linux

## Work Experience

May 19	<b>Control System and Automation Intern</b>	<b>AKVO, Kolkata</b>
July 19	- Worked on developing automatic control system of Akvo 180k, AIS1-AIS30, Akvo 36k and 18k machine. - Used Thingspeak for collecting and Analyzing data in real time also Worked on building the OverTheAir flashing systems for firmware upgradation using Azure IoT DevOps system	
May 18	<b>Machine Learning Intern</b>	<b>CURO, Bangalore</b>
July 18	- Interpreted data on price, yield, stability, future investment-risk trends, economic influences, and other factors affecting investment programs using Python models. Worked on Data Scrapping, Fuzzing, Pre-processing on Documents and Setting up a multi-label Classifier	

## Projects

July 19	<b>Standalone Driving Assistance Unit for SDC</b>	<b>Final Year Project</b>
	- Developed a dash camera based standalone pipeline with functionalities of Lane Departure Warning, Forward Collision Warning and Tailgate warning	
Dec 18	<b>MetaQP   Fuzzy Question Paper Searching</b>	
	- Developed a fuzzy search, web based utility for finding Question papers. Used AWS S3, Route 53, EC2 and JSON. Built on top of Material CSS and JS.	
Nov 17	<b>IoT based Pollution Monitoring and Waste Management for smart cities</b>	<b>Smart Cities Hackathon-'18</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.	
Feb 17	<b>Curved lane lines detection using HSV filtering and sliding window search method</b>	<b>Murious 2017</b>
	- Built a Fully Convolutional Network (FCN) that could label the individual pixels of an image as road or not road. Used FCN-8 architecture and built using the VGG network and trained on the KITTI Dataset.	

## Extracurricular & Leadership

May '20	<b>Founder &amp; Maintainer</b> , MetaJUIT	
	- Open Sourced Development Community for bringing open and easy access to data in JUIT.	
Aug '19	<b>Vice Chairperson</b> , ACM Student Chapter-JUIT	
	- Responsible for forming event policies and managing Robotics & AI Projects in ACM Student Chapter of JUIT.	
May '19	<b>Coordinator</b> , JYC Media & Publicity Committee	
	- Led a group of 45 students in areas of Digital Marketing (SMM, Email-Campaign), Graphic Designing/Video Editing	
May '19	<b>Overall Coordinator</b> , TIEDC   E-Cell of JUIT	
	- Actively worked on building a vibrant startup ecosystems in Himachal Pradesh where I managed and coordinated with a team of 40 volunteers to organize Techstars Startupweekend Solan.	
Sep '18	<b>Organizer</b> , Techstars Startupweekend Solan	
	- Organized the first ever Startup Weekend in Himachal Pradesh. Worked very closely with PR and Marketing team.	

## Achievements

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| - Google Codejam Round 1                        | - Secured 95.33 percentile in JEE Mains 2015      |
| - Facebook HackerCup Round 1                    | - Finalist   Startup India Himachal Pradesh Yatra |
| - Secured 97.11 percentile in JEE Advanced 2015 | - World Rank 237/7591 Brainwaves 2017-18          |