

## Educational Qualification

Year	Degree/Board	Institution	CPI/CGPA/%
2019	B.Tech. (Computer Science)	IIT Kanpur	9.9/10
2015	Class XII (CBSE)	Vijayverghiya Bal Vidyalaya, Kota	93.8%
2013	Class X (CBSE)	DPS Rewari	10/10

## Academic Achievements

- Secured **AIR 190** in JEE Advanced 2015 out of 150k students who qualified through JEE Mains
- Secured **AIR 777** in JEE Mains 2015 out of 1.5 million students
- Received **KVPY fellowship 2015**
- Received Merit Certificate in Mathematics for being in top .1% students all over the country in class XII examinations

## Projects

- **AUV-IITK (Autonomous Underwater Vehicle)** - Software Subsystems  
December 2015 - PRESENT
  - Developed a Buoy Detector which detects the distance of a buoy using OpenCV
  - Designed an L-shaped gate detector for finding out the current position of the vehicle with respect to the gate as well as giving the center of the gate to move the vehicle towards the gate
  - Worked under ROS framework as the main backbone for the software subsystem
- **Introduction to Machine Learning, ACA Project**  
February 2016 - April 2016
  - Applied Natural Language Processing to make a spam classifier and classifying movie reviews dataset part of NLTK corpus as positive or negative based on Naive Bayes Classifier
  - Applying Principal Component Analysis using eigenvalues of a dataset of several images of a given person for Facial Recognition in Matlab
  - Did Handwriting Recognition on MNIST dataset using sigmoid neurons, back-propagation, cross entropy and quadratic cost function using Numpy.

## Extra-Curricular Activities

- Secretary **ROBOCLUB** 2016-17
  - Prepared a voice recognition Bot for SnT day 2016
  - Presented AUV-IITK in exhibition in Techkriti 2015, the annual Technical fest of IIT Kanpur
  - Took part in various robotics events like IRGT in Techkriti 2015, Robotricks in Takneek 2015
- **VOX POPULI** : Core Team member of the Journalism body of IIT Kanpur
  - Instant reporting on news related to campus e.g. opening of Dominoes
  - Gather information by Interacting with numerous people around the campus for different articles like Life of a SIS Guard, Workers at IITK etc.
  - Prepared Storyline for sarcastic cartoon strips, videos and graphs showing different aspects of 50 minutes of a classroom
  - Contributed in organizing the first ever Presidential Debate 2015