



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2021	B.TECH	IIT Kharagpur	8.51 / 10
2017	AISSCE	CBSE	94.6%
2015	AISSE	CBSE	10 / 10

## AWARDS AND ACHIEVEMENTS

- **Letter of Appreciation** from the Principal, Snrs for the performance in **class X**
- **Letter of Appreciation** from the Principal, DPS Ranchi for the performance in **class XII**
- Ranked in **Top 1 percentile** in JEE Mains, 2015 among **1.4 million** appearing candidates
- Secured an All India Rank of **5493** in **JEE Advanced**, 2015 among the **0.2 million** candidates
- Awarded **Kishore Vaigyanik Protsahan Yojana (KVPY)** Fellowship by **DST, Government of India**
- Awarded **National Talent Search Examination (NTSE)** Fellowship by the **NCERT, Government of India**
- Awarded **Certification of Merit in NSEC** for being placed in **State-wise top 1% out of 494 candidates by IAPT**

## WORK EXPERIENCES

<b>SDE Intern   Trell Experiences Pvt. Ltd.</b>	<b>May'19 - July'19</b>
<b>1. Comment Filter and Tagger</b> [ <a href="https://github.com/animesh-chouhan/comment-filter">https://github.com/animesh-chouhan/comment-filter</a> ] <ul style="list-style-type: none"><li>• Developed a comment filter using <b>dictionary based filter</b> to flag profanity, spam and offensive content</li><li>• Used <b>VADER: A Parsimonious Rule-based Model for Sentiment Analysis</b> Hutto, C.J. &amp; Gilbert, E.E. (2014) for filtering negative comments and sentiment analysis</li></ul>	
<b>2. YouTube Comment Scraper</b> [ <a href="https://github.com/animesh-chouhan/yt-comment-scraper">https://github.com/animesh-chouhan/yt-comment-scraper</a> ] <ul style="list-style-type: none"><li>• Developed a scraper which scrapes <b>all comments</b> from <b>all videos</b> present in a YouTube channel</li><li>• Used <b>Puppeteer</b>, a headless browser to overcome pagination and <b>Ytcomments</b> comment API</li></ul>	
<b>Kharagpur Robosoccer Students Group   IIT Kharagpur</b>	<b>Mar'18 - June'18</b>
• Built a <b>PID Demonstrator</b> using L293D motor driver IC and arduino as a part of the qualification task	
<b>Winter Workshop   IIT Kharagpur</b>	<b>Nov'17 - Dec'17</b>
• Completed Autonomous Robotics workshop ( <b>IEEE Certified</b> ) organised by <b>Technology Robotix Society</b>	
• Designed and built an <b>IoT enabled</b> colour detection bot using <b>Arduino</b> and <b>ESP8266</b>	
<b>National Science Camp   Indian Institute of Science (IISc)</b>	<b>Nov'16 - Dec'16</b>
• Attended Vijyoshi Camp organized by IISc, Bangalore on the virtue of being a KVPY Scholar	

## PROJECTS

<b>Astria: Intelligent Search Engine for Lawyers</b> [ <a href="https://github.com/LLRHall/Astria">https://github.com/LLRHall/Astria</a> ]	<b>Mar'19 - Apr'19</b>
• Built a <b>web-based platform</b> where users can search for relevant cases based on different criteria: Keyword, Acts, Title as well as natural language queries	
• <b>Semantic search</b> for queries based on natural language using <b>Google's Pre-trained NLP Model BERT</b>	
• The backend was developed using mainly <b>Flask</b> and a database linked to the frontend using <b>AJAX</b>	
<b>Image Processing Term Project</b>	<b>Aug'18 - Nov'19</b>
• Implemented the research paper on <b>Single Image Haze Removal Using Dark Channel Prior</b> , by Kaiming He, Jian Sun, and Xiaoou Tang, in CVPR 2009 (Oral, Best Paper Award)	
• Used <b>OpenCV</b> library to estimate the Transmission and to obtain haze-free images.	
• Moreover, a high-quality <b>depth map</b> was also obtained as a by-product of haze removal.	
<b>Kharagpur Winter of Code(KWoC)</b> [ <a href="https://github.com/kaustubhhiware/facebook-archive">https://github.com/kaustubhhiware/facebook-archive</a> ]	
• Built a visualizer for <b>Facebook-archive</b> which is an open source project written in python to help visualize and analyze Facebook's archive data	
• Added a feature to enable the users to plot their <b>location history</b> using the Facebook's data	
<b>VCard File(VCF) Creator</b> [ <a href="https://github.com/animesh-chouhan/vcfCreator">https://github.com/animesh-chouhan/vcfCreator</a> ]	
• Wrote a python script to ease the process of <b>importing</b> and <b>saving large contact lists</b>	
• Successfully implemented the project with the help of fellow batchmates in LLR Hall of Residence	

## SKILLS AND EXPERTISE

**Programming Languages:** C, C++, JavaScript, Python, Bash  
**Software Tools/Packages:** Git, Flask, Docker, Jupyter Notebook, SolidWorks, Microsoft Office  
**Online Courses:** Control of Mobile Robots(Georgia Tech), Introduction to Marketing(University of Pennsylvania)  
**Courses:** Image Processing, Design and Analysis of Algorithms, Economics, Thermodynamics, Hydrostatics and Stability

## EXTRA CURRICULAR ACTIVITIES

- National Service Scheme(NSS)**
- As an active volunteer of the IIT Kharagpur Wing of the NSS, our team has been working to improve the lives of villagers
- Case Studies**
- Second runner-ups in the **Uber Scale It Case Challenge** organized by **Entrepreneurship Cell, IIT Kharagpur**
  - Bronze medal in **Open IIT Case Study 2018** organized by **Technology Students Gymkhana, IIT Kharagpur**
  - Silver medal in **General Championship Case Study 2019** organized by **Technology Students Gymkhana, IIT Kharagpur**
  - Bronze medal in **General Championship OpenSoft 2019** organized by **Technology Students Gymkhana, IIT Kharagpur**