## Tias Mondal IIT Kharagpur

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Residence: C-310 Vidyasagar Hall of Residence IIT Kharagpur

INTERESTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Computer Vision ,Artificial Intelligence ,Machine Learning ,Programming Languages ,Deep learning

SCHOLASTIC ACHIEVEMENTS\_\_\_\_\_\_

* Secured AIR 6786 (Category Rank 104) In Jee Advanced 2017 among 150 thousand candidates
* Secured AIR 8112(Category Rank 108) In Jee Mains 2017 among 12 lakhs candidates.
* Secured 94% marks in AISSCE 2017 with 100/100 in Computer Science.
* Secured 10 CGPA in CBSE class 10th 2015.
* Obtained Silver Medal in National Science Olympiad organised by SOF in class 8th.
* Secured WB Rank of 430(Category Rank 17) in WBJEE 2017.

POSITIONS OF RESPOSIBILITY\_\_\_\_\_\_\_\_\_

* Sub Head (Tech team) in Spring Fest Web Development team 2019

COURSES\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Machine Learning by Andrew Ng Coursera
* CS231n Stanford University
* Web development Course by Spring Fest IIT Kharagpur

in 2018 summer.

* Codechef Programming contests

PROJECTS DONE\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Winter internship**- Agnext Technologies(Ongoing) in the filed of computer vision.

Image segmentation-Includes background extraction,different opencv IP applications,Blurring,morphological operations. Segmenting out individual grain images from a sheet of grain images and training the models in mobilenet models using dense neural networks. Predicting the percentage of broken, weevilled, shrivelled ,clean grains.

* **Robotics** - Participated in a Computer Vision event in Kshitij 2019(Annual techno management fest of IIT Kharagpur). Built a lane traversal bot with onboard camera that detects turns infront of it using IP applications i.e Canny Edge detection and HoughLinesP.

The link to P.S is

https://2019.robotix.in/event/crusade/

TECHNICAL SKILLS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Programming Languages – C , C++, Python
* Software Skills – Matlab , GNU Octave , Git
* Libraries – Numpy, matplotlib, opencv(cv2) etc.
* Web Development – HTML ,CSS, Javascript ,PHP ,MySQL , React.js(Javascript)