Harshit Sikchi

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EDUCATION

IIT KHARAGPUR
Btech in Computer Science
Expected July 2019 | Kharagpur,India
Cum. GPA: 8.96

D.A.V PUBLIC SCHOOL
Senior Secondary,Grade 12
Kota,Rajasthan
96 Percentage,CBSE Board

GOLDEN KIDS HIGH SCHOOL
Higher Secondary,Grade 10
Amravati,Maharashtra, India
97.27 percent SSC Board

LINKS

Github:// **hari-sikchi**
LinkedIn:// **Harshit Sikchi**
Codechef:// **king-coder**

CS COURSEWORK

Algorithms-1
Discrete structures
Signals and Networks
Introduction to electronics

ADDITIONAL
CS-50
Introduction to image processing
CS-231N-Deep learning in Image
processing
Machine learning(Coursera)
Algorithms-I (Stanford)
Algorithms-II(Stanford)

SKILLS

PROFICIENT
C • C++ • Python • OpenCV
ROS • Algortihms • GIT
• Tensorflow •

INTERMEDIATE
HTML • CSS • Javascript • Web
developement • C

FAMILIAR
App Developement

AWARDS AND ACHIEVEMENTS

2015	All India Rank 227	JEE Advanced among 150,000 candidates
2015	All India Rank 29	KVPY,IISc scholarship awardee
2014	Aditya Birla Scholarship Awardee	Among Top 16 students from India
2014	Top 1 Percent	Indian Astronomy Olympiad
2013	Disrict Rank 1	Maharashtra board 97.27percent

PROJECT AND INTERNSHIPS

AUTONOMOUS GROUND VEHICLE | Mar'15 - Present
Indian Institute of Technology,Kharagpur
- Succesfully implemented and test two path planning algorithms for our bot eklavya 5.0 (ackermann drive vehicle).
- Designed and algorithm for lane-navigation using RANSAC and tested thouroughly to eliminate all corner cases.
- Implemented the chevp algorithm for lane detection and using it with b-snake spline detection curve.
- Worked on sbpl planner.
- Worked with 3D Lidar,Sterocam, 2D Lidar.

HARDWARE MODELLING PROJECT | Autonomous vehicle for handicapped
Nov 2013 – Dec 2013 | LBS Hall,IIT Kharagpur
- Developed a lane-detection cum navigation software for autonomous behaviour of the bot.(For Indoor Environment only).Obstacle avoidance done by lidar only.

DRIVER SIMULATOR PROJECT August-Septembet | IIT Kharagpur
- Presently working on implementation of end to learning to make a driver simulator.

MISCELLANEOUS

- Built a app in codefundo microsoft
- State Level Badminton Player
- A competetive coding entusiast

INTERESTS

ALGORITHMS

Machine Learning

Computer Vision

Driverless Cars