

Ridhwan Luthra



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Career Objectives

Develop innovative solutions to real world problems using AI. Work with interesting people on interesting projects. Help in making the world a better place.

Education

B.tech	Cluster Innovation centre	2015-present
(IT and mathematical Innovations)		
AISSCE	Delhi Public School	2014
AISSE	Delhi Public School	2012

Projects

1. obstacle identification using 3d camera.
2. SLAM
3. machine learning to predict off-normal conditions of power plant.
4. Line following robot.
5. Home automation system.
6. Manipulator kinematics.
7. building rube goldberg machine.

Training and Internship

- Internship
 - AI and robotics developer
 - Motion Planning
 - Localisation
 - Mapping using rtab
- Training
 - Self-Driving Car Nanodegree, Udacity
 - Machine Learning, Coursera
 - AI for Robotics, Udacity

Research Publication

Generalisation of the game of Sprouts: Paper being preped for publication

Technical Skills

Languages/Packages	Python , EMBEDDED C, ROS , Matlab, Mathematica, R, c++, XML, PHP, Django, MongoDB, Sklearn, Pandas, numpy, scipy
Technical Skills	Machine learning, Robotics Web Scraping, L ^A T _E X, Robot Designing (CorelDraw), laser Cutting, Multiprocessing(Python) LINUX, MICROSOFT WINDOWS
Operating system	Preferred: ubuntu 16.10 with i3wm shell scripting, automation
Embedded Systems	ARDUINO, RASPBERRY PI, BeagleBone, AVR Micro controllers

Extra 2

- Item 1
- Item 2
- Item 3
- Item 4
- Item 5[?]
- Item 6. Like item 3 in the single column list before, this item is particularly long to wrap over several lines.

References

<i>Category 1</i>	<i>Category 2</i>	<i>All the rest & some more</i>
<ul style="list-style-type: none">○ Person 1○ Person 2○ Person 3	Amongst others: <ul style="list-style-type: none">○ Person 1, and○ Person 2 (more upon request)	<i>That person, and those also (all available upon request).</i>