

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)
Operating system	LINUX, MICROSOFT WINDOWS Preferred: ubuntu 16.10 with i3wm shell scripting, automation
Embedded Systems	ARDUINO, RASPBERRY PI, BeagleBone, AVR Micro controllers

Soft Skills

1. Leadership
2. Adversity Management
3. Collaboration
4. Change Management
5. Empathy

Extra Curricular Activities

- Head Organiser for Freshmen orientation
- Neuro-Linguistic Programming Coach and Master Practitioner

Co-Curricular Activities

1. **Convener, Autonomi** - Robotics Society
2. **HR Manager, HashInclude** - Computer Science Society
3. Conducted Workshop on Firebird for college Professors
4. Conducted Workshops on Robotics for Students
5. **Founder and Learning systems Developer** at Adzippy

Personal Information

Father's Name: Kaushal Luthra

Mother's Name: Dr. Pranavi Luthra

Sex: Male

Date of Birth: 19th August, 1996

References

<i>NAME</i>	<i>PHONE NUMBER</i>	<i>EMAIL ID</i>
1. Prof. Shobha Bagai	1. 9810909650	1. shobhabagai@gmail.com
2. Dr. Harendra Pal Singh	2. 9891910248	2. harendramaths@gmail.com

Declaration

I hereby certify that all the information provided by my is accurate to the best of my knowledge.

- Ridhwan Luthra

Date

22nd April, 2017