

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

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|-----------------------------------|---------------------------|--------------|
| 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

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|--------------------|---|
| 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