

# Laksh Arora

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## Education

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### Indraprastha University

B.C.A IN COMPUTER SCIENCE

New Delhi, India

May 2017

### MCL Public School

HIGH SCHOOL

New Delhi, India

May 2014

## Experience

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### Data Point

DATA ANALYST

New Delhi, India

June 2015 – Aug 2015

- Scrapping the information from different websites.
- Analysing and Cleaning the data.
- Data extraction and cleaning was done using Python

### Coding Blocks

TEACHING ASSISTANT

New Delhi, India

June 2017 – Present

- Mentoring students regarding programming and real world applications of algorithms.
- Discussions about latest Research Paper and Implementation of such.
- Teaching Machine Learning and frameworks such as Keras, Tensorflow

### Codementor

MENTOR

New Delhi, India

October 2016 – Present

- Expert Mentor on Codementor for help in Python, Machine Learning, Flask and Javascript
- Teaching all over the globe and learned new things with everyone of them.

### PeoplePerHour

DATA SCIENCE CONSULTANT

New Delhi, India

August 2016 – Present

- Consulting different startups and individual regarding the structure of Machine Learning Models.
- Collaborating with individuals for data extraction, cleaning and visualisations.

## Skills

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**Programming:** Python, C, C++, Javascript, MySql, MATLAB, Latex, HTML5

**Frameworks:** Flask, Keras Tensorflow, OpenCV, Numpy, Seaborn, Matplotlib, Django

**Familiar:** Unity3D, Apache Spark, Android, Lua

## Projects

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### Facial Recognition

Supervised Learning, Python,  
OpenCV, Keras, Matplotlib, Numpy,  
Pandas

CATEGORIZE EACH FACE BASED ON THE EMOTION SHOWN IN THE FACIAL EXPRESSION INTO ONE OF SEVEN CATEGORIES (0=ANGRY, 1=DISGUST, 2=FEAR, 3=HAPPY, 4=SAD, 5=SURPRISE, 6=NEUTRAL) USING CNN.

### Real Time Hand Gesture Recognition using OpenCV

Convex Optimisation Algorithm,  
Python, OpenCV

THE AIM OF THE PROJECT WAS TO DEVISE A PROGRAM THAT IS ABLE TO DETECT OUR HANDS, TRACK THEM IN REALTIME AND PERFORM SOME GESTURE RECOGNITION USING CONVEX ALGORITHM OPTIMIZATION.

## Most Dominant Color using K-means Color Clustering

*Clustering Algorithm, Python,  
Matplotlib, Numpy, OpenCV*

USING K-MEANS CLUSTERING METHOD FOR FINDING THE K-MOST DOMINANT COLOURS IN AN IMAGE. THIS CAN BE USED TO LOAD IMAGE FASTER ON A WEBPAGE UNTIL USER EXPLICITLY WANTS TO SEE THE ACTUAL IMAGE.

## Car Model Detection Using Tansfer Learning

*Python, Keras, Numpy, Matplotlib,  
Pandas*

DETECTION OF EXACT CAR MODEL OVER 150+ MODELS USING TRANSFER LEARNING, VGG NETWORK AND STANFORD CAR DATASET

## Honors & Awards

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Jan 2017	<b>Project Maniac</b> , MSI
June 2016	<b>AngelHack</b> , Jaipur
June 2016	<b>Hack@NSIT</b> , Jaipur
April 2016	<b>NSIT Software Hackathon</b> , NSIT