

# Lakshay Khandelwal

lk03021998@gmail.com  
9001640845

## EDUCATION

### BIT MESRA

BE IN COMPUTER SCIENCE  
Expected May 2020  
CGPA: 7.86 (Upto VI sem)

### VIRJANAND SR. SEC. SCHOOL

HSC | RBSE  
2014 - 2015  
Ajmer | Rajasthan  
Percentage : 84.40

### ST. PAUL'S SR. SEC. SCHOOL

SSC | RBSE  
2012 - 2013  
Ajmer | Rajasthan  
Percentage : 86.62

## LINKS

Github:// [lk03021998](#)  
LinkedIn:// [lk03021998](#)  
InterviewBit:// [lk03021998](#)  
Codechef:// [lk03021998](#)  
Codeforces:// [lk03021998](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures  
Algorithms  
Operating System  
Object Oriented Programming

## SKILLS

### PROGRAMMING

• C • C++ • Java

Familiar:

• Bash • MySql

### TOOLS

• ElasticSearch • Git

## PROJECTS

### VARNACULAR IMPLEMENTATION

July 2019 - ONGOING

- An efficient solution for an e-commerce website to show the results for queries written in native language.
- To convert the query in English firstly we will use Google Transliterate and Translate API.
- Then we will use ElasticSearch to extract tokens from query and search for the product in our database.

### CONTENT-BASED IMAGE RETRIEVAL SYSTEM

May 2019 - June 2019

- Given an Image dataset our aim is to find related image of a query image using color distribution in image.
- To get the color distribution in image we extracted the color histogram from different parts of image and concatenate them to make complete feature vector of image.
- For each image of the dataset we extracted the features and stored it in CSV file.
- For each query image we find its feature vector and calculate the Euclidean distance from the vectors in CSV file. Then returned the best matching results.

### SOLVING MAZE PROBLEM USING HEURISTIC SEARCH

September 2018 - October 2018

- Given a 2D/3D maze having obstacle on various positions, our aim is to find a path from a starting position to the destination position using A\* algorithm.
- We used Pythagoras Distance between current point and destination point as the heuristic value to reach destination.

## ACHIEVEMENTS

2018	65/115	ACM ICPC Pune-Gwalior Regionals
2018	63/159	ACM ICPC Kolkata-Kanpur Regionals
2018	45/926	Codechef Encoder
2018	206/8788	June Challenge 2018 Division 2
2019	35/2956	Codechef July Lunchtime 2019 Division 2
2018	77/500	Codechef Insomnia 2018
2018	185/1657	Codechef Code Melange