

# Abhinesh

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## EDUCATION

### LOVELY PROFESSIONAL UNIVERSITY

B.TECH(HONS) IN COMPUTER SCIENCE

2014-2018 | Jalandhar, Punjab

CGPA: 8.71/10

### KENDRIYA VIDYALAYA SIKAR

12<sup>th</sup> | CBSE BOARD

2013 | Sabalpur, Sikar, Rajasthan

Percentage: 72.60 %

### NEW INDIAN SENIOR SECONDARY SCHOOL

10<sup>th</sup> | RBSE BOARD

2010 | Nawalgarh, Rajasthan

Percentage: 86.67 %

## HANDLES

Github:// [akgarhwal](#)

LinkedIn:// [akgarhwal](#)

Hackerrank:// [akgarhwal](#)

Hackerearth:// [@akgarhwal](#)

Codechef:// [akgarhwal](#)

Codeforces:// [akgarhwal](#)

Spoj:// [akgarhwal](#)

## RATINGS

Hackerrank: 2176

Codechef: 1864

Codeforces: 1477

Hackerearth: 1306

## SKILLS

### PROGRAMMING

Good:

- C • C++ • Python
- Java • Data Structure
- Android Development • Algorithms

Familiar:

- JavaScript • R
- MongoDB • Git
- Firebase • Nodejs

## EXPERIENCE

### INTERNSHIP | SYNOPSYS (INDIA) PVT. LTD.

Sep 2017 – Aug 2018\* | Hyderabad, Telangana

- Worked on development of a QA system that checks accuracy to qualify the runset, which improved the performance of the system by 300%.
- Used topological sort on tabular data-sets to automate generation of icv runset.

## PROJECTS

### PUZZLE-X | ANDROID APPLICATION

Aug 2016 – Dec 2016 | Jalandhar, Punjab

- It is a mystic square puzzle in which user has to rearrange scrambled image to obtain original image.
- Puzzle-Solver is implemented using Priority Queue and A\*-Algorithm with Manhattan distance.
- High-Score is set based on minimum number of moves.

### GHOST WORD GAME | ANDROID APPLICATION

Jan 2017 – May 2017 | Jalandhar, Punjab

- A game in which players add letter to a growing word fragment, trying not to be the one to complete a valid word.
- The game bot moves are implemented using order-3 Markov model.
- The data structure of dictionary(60K+Words) is implemented using Trie.

### ANALYSIS OF INDIAN STATES | GRAPHICAL ANALYSIS USING R

Jan 2017 – May 2017 | Jalandhar, Punjab

- The project demonstrate analysis of populations of Indian states on different levels (children, sex ratio, literacy).
- The analysis indicates improvements needed by states in different categories.
- Yearly analysis of alteration on different levels of population.

### COUNTRY GAME | GOOGLE-ASSISTANT APPLICATION

June 2018 – July 2018 | Hyderabad, Telangana

- It is a game where you have to name a country from the last letter of the country said by Google-Assistant.

## ACHIEVEMENTS

2017 1<sup>st</sup>/823

2017 2<sup>nd</sup>/221

2017 Gold Medal

2017 7-Silver Medal

2017 11-Bronze Medal

2016 GeeksforGeeks

2014 Rs 4 Lakh

CodeManthan organised by LPU on Hackerrank

**Code Samurai** competition organized by LPU on Hackerearth

Hackerrank's monthly contest

Hackerrank's monthly contest

Hackerrank's monthly contest

Selected as campus ambassador of GeeksforGeeks

Scholarship worth 4 Lakh was awarded by the university

## LEADERSHIP

- Problem Setter of Programming Organization CYPHER at LPU.
- Conducted classes of competitive programming at Lovely Professional University in association with GeeksforGeeks.