Abhinesh

http://akgarhwal.github.io/
abhinesh.garhwal@gmail.com | +91-9872430458

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY
B.Tech(Hons) in Computer Science
2014-2018 | Jalandhar, Punjab
CGPA: 8.86/10

KENDRIYA VIDYALAYA SIKAR
12th | CBSE BOARD
2013 | Sabalpura, Sikar, Rajasthan
Percentage: 72.60 %

NEW INDIAN SENIOR SECONDARY SCHOOL
10th | 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

Year	Award	Description
2017	1st/823	CodeManthan organised by LPU on Hackerrank
2017	2nd/221	**Code Samurai** competition organized by LPU on Hackerearth
2017	Gold Medal	Hackerrank's monthly contest
2017	7-Silver Medal	Hackerrank's monthly contest
2017	11-Bronze Medal	Hackerrank's monthly contest
2016	GeeksforGeeks	Selected as campus ambassador of GeeksforGeeks
2014	Rs 4 Lakh	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.