

## Ayush Jaggi

Final Year Undergraduate

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## EDUCATION

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Degree / Examination	University	Year
B. Tech. in Electronics and Communication	Jaypee Institute of Information Technology	2012 - Present
AISSCE - 12 <sup>th</sup>	Delhi Public School Ghaziabad	2012
CISCE - 10 <sup>th</sup>	St. Mary's Convent School Ghaziabad	2010

## INTERNSHIPS AND PROJECTS

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- **Summer Research Intern at Indian Institute of Technology, Delhi** *(May - July 2015)*
  - Studied and implemented various data-preprocessing techniques and handling MVs of a dataset.
  - Comparing the results of KNN, Bayesian approach, and Decision tree.
- **Problem Setter at HackerEarth** *(October 2015 - Present)*
  - Involved in setting and testing of Problems of various difficulty level for HackerEarth for different hiring challenges of many companies.
- **Algorithmic Editorialist at HackerEarth** *(May 2015 - Present)*
  - Writing articles and tutorials on Data Structures and Algorithms for the HackerEarth Code-Monk series
  - Attempting to help people begin with competitive programming, and thus creating a repository of study material.
- **Code Evaluator and Judge | B. Tech Major Project** *(September 2015 - Present)*
  - Attempting to create an Online Judge based evaluation system for educational institutes, to automate the evaluation system of assignments and Coding tests.
  - Considering to have 3 levels of access- Head Instructor, Instructor, and Student, and plan to have features like Cheat detection, Scoreboard, Time Limit setter, Memory Limit setter, etc.
- **Auto-Complete and Auto-Suggest implementation using Tries** *(October 2014)*
  - Implemented the auto-suggest feature using Trie Data structure, which gave completion and suggestion options based on user input.
- **Rubik's cube solver | B. Tech Minor Project** *(September 2014 - December 2014)*
  - Generated a solution of any given orientation of a Rubik's Cube using Layer by Layer algorithm.
  - Evaluated the code based on user input and then repeated the given instructions till each layer was solved, hence solving the entire cube.
- **Data-Structures based Social Network** *(April 2013 - May 2013)*
  - Basic social network structure using data structures, having functions like Add/Remove friends, Send/delete messages, Status Updates, Profile information, etc.

## ACHIEVEMENTS

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- Honorable Mention for **ACM ICPC Asia 2015 Regionals** at Amrita University
- Honorable Mention for **ACM ICPC Asia 2014 Regionals** at Amrita University
- Honorable Mention for **ACM ICPC Asia 2013 Regionals** at Amrita University
- Active on [codeforces](#) (highest rating: **1998**) and [codechef](#) (best global rank: **165**, national: **55**)
- National rank **among top-25** in Facebook Hacker Cup 2016
- National rank **among top-25** in Facebook Hacker Cup 2015
- National rank **1** in Lookery Cup 2015

- National rank **29** in World CodeSprint 2016
- National rank **31** in EpicCode CodeSprint 2015
- National rank **31** in CounterCode CodeSprint 2015
- National rank **47** in Morgan Stanley Codeathon 2015
- National rank **65** in CodeAgon 2015

## OTHER ACTIVITIES

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- Coordinator, Programming Hub IIIT Noida for the year 2014-2015
- Campus Ambassador, HackerRank for the year 2014-2015.
- Attended OSDC Conference 2014 at IIIT Noida
- International Rank **11** in Junior International Mathematics Olympiad, 2009 conducted by Science Olympiad Foundation.