

# Kunal Singhal

## Curriculum Vitae

### EDUCATION

2013 – PRESENT **Bachelor of Technology**  
COMPUTER SCIENCE  
*Indian Institute of Technology Delhi*  
CGPA: 9.56

### RESEARCH INTERESTS

- Machine Learning and Statistical Analysis
- Game and Economic Theory
- Processor Design and Computer Architecture

### SPORT PROGRAMMING

- Indian Team Member in **International Olympiad in Informatics (IOI) 2012**
- My team (team Angle) **ranked 9th in ICPC regionals Amritapuri**, best in IIT Delhi.
- Codechef handle : knsn1994
- TopCoder handle : knsn1994

### AWARDS AND ACHIEVEMENTS

JULY 2012 **International Physics Olympiad 2012**  
Silver Award

MAY 2012 **Asian Physics Olympiad 2012**  
Silver Award

2011 **Indian National Mathematics Olympiad 2011**  
All India First Position

FEB 2013 **Institute Silver Medal for Academic Excellence**  
Given for obtaining highest CGPA at IIT Delhi

MAY 2012 **IIT-JEE 2012 All India Rank 18**  
Got 18th rank among more than 500,000 students

SEP 2012 **Aditya Birla Scholarship 2012**  
Given only to 15 engineering students all India

SEP 2012 **OP Jindal Engineering and Management Scholarship 2012**  
Given to one student of each Year

2011 **KVPY Scholarship 2011**  
Scholarship given for encouraging science students

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### SOME COURSES UNDERTAKEN AT IIT DELHI

PRESENT **Discrete Mathematical Structures**  
*Prof. Ragesh Jaiswal*

PRESENT **Combinatorics**  
*Prof. Amitabha Tripathi*

PRESENT **Computer Architecture**  
*Prof. Smruti Ranjan Sarangi*  
>Made an Assembly Emulator

PRESENT **Design Practices in Computer Science**  
>Made a 3D bike race game using OpenGL  
>Working on simulation of a Social Network.

PRESENT **Digital Electronics Circuits**  
*Prof. G.S. Visweswaran*

JAN-APR '13 **Data Structures**  
*Prof. Amit Kumar*

### DESIGNING AND CODING SKILLS

Extensive	PYTHON, C++
Intermediate	HTML5, CSS3, JAVASCRIPT, C PHP, L <sup>A</sup> T <sub>E</sub> X, JAVA, SQL, BASH, NUMPY
Basic	DJANGO FRAMEWORK, APPLE SCRIPT

### COMMUNITY INVOLVEMENT

- Representative at ACES (Association of Computer Engineers, IIT Delhi)
- Class Convener at IIT Delhi

### OTHER INTERESTS

- I have keen interest in human psychology and philosophy. I also write a blog: Phryraders.
- I love to play Guitar and Synth.