



Sourabh Agrawal
Electrical Engineering
Indian Institute of Technology Bombay

110070015
UG Third Year (B.Tech.)
Male
DOB: 28/03/1994

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	9.22

Scholastic Achievements

- **All India Rank 68** in IIT JEE in 2011
- **Gold medal** at Indian National Physics Olympiad in 2011
- Attended International Physics Olympiad Selection camp at HBCSE (top 25 in India in 2011)
- National Talent Search Examination Scholarship- 8th standard onwards (2007)
- **All India Rank 25** in AIEEE with state rank 5 in Rajasthan (2011)
- Amongst **top 1%** in Indian National Chemistry Olympiad and Indian National Astronomy Olympiad

Course Project – Travelling Salesman Problem

- Analysed the NP hard Travelling Salesman problem and came up with a branch and bound algorithm that gives exact solution of the problem
- The algorithm helps to find a path to travel n number of cities, all once without any cycles so as to minimize the cost of travelling given a square matrix of order n specifying the cost of travelling from one city to another
- Applied bounding conditions and clever branching techniques so as to give solution for upto 15 cities in real time

Organizational Skills

- Co-ordinator for Mood Indigo'12, Asia's largest cultural festival: (present)
- Member of the organizing team for MI studio (Horizons)
 - Handled various events and co-ordinated with various renowned artists during their stay at Mood Indigo

Additional Courses

Honors' course: Foundation of VLSI CAD, General Theory of Relativity, Quantum Mechanics
Minor course: Marketing Management, Human Resources Development

Software skills

- Programming & OS: Bluespec, C/C++, HTML, Windows 7, Ubuntu
- Packages : Photoshop, Matlab, LTspice, Sony vegas, MS Office

Extra-Curricular Activities

- Member of **Tech GC 1 winning team** (total 8 members) (Aug 2012)
- Designed and fabricated a RC car in 1st year for TechOne
- Participated in movie-making workshops and college level competitions
- Successfully completed **B certificate** in NCC and attended 10 days adventurous cum training camp (July 2011 -Feb 2012)