



**Jayanth**  
**Computer Science & Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: None**

**100050041**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 16.08.1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	9.00
Intermediate/+2	Central Board of Secondary Education (CBSE)	Delhi Public School R.K.Puram	2010	93.00
Matriculation	Central Board of Secondary Education (CBSE)	DAV Public School	2008	97.20

#### SCHOLASTIC ACHIEVEMENTS

- Pursuing Minor degree in Statistics and Honors Degree in Computer Science and Engineering
- Secured an All India Rank of 168 in IITJEE 2010 among the 470 thousands aspirants
- Awarded Gold Medal in Orientation-Cum-Selection Camp for International Chemistry Olympiad for being amongst the top 36 students in Indian National Chemistry Olympiad 2010
- Awarded Hindustan Pratibha Samman for securing 2nd rank in state in AISSE 2008

#### POSITIONS OF RESPONSIBILITY

##### **Internship Coordinator, Placement Office**

*July 2012 - Present*

- Responsible for internship and training activities of Computer Science Department with participation of around 160 students and 40 companies and universities
- Playing a key role in formulating new internship policies, coordination, scheduling and acting as an interface between student, authorities and companies

##### **Student Mentor, Department Academic Mentorship Program**

*July 2012 - Present*

- One among the 8 meritorious students nominated for addressing and resolving academic issues of underperforming second and third year students in Computer Science department
- Coordinating with faculty advisor in handling cases of academic disinclination and depression

##### **Convener, Vaani - Hindi Club of IIT Bombay**

*July 2011 - April 2012*

- Organized regular Hindi debating sessions and literary arts workshops along with four inter-hostel General Championships and encouraged participation in Hindi literary activities
- Member of the editorial team of Spandan, the first annual Hindi magazine of IIT Bombay

##### **Coordinator, TechFest**

*July 2010 - January 2012*

- Led a team of organizers to ensure smooth execution and moderation of the LAN gaming competitions in Gaming Zone
- Worked as an organizer of Lift-Off competition in freshmen year, which involved a participation of over 80 colleges from all over the country

##### **Member, DPS Mathematics Society**

*July 2009 - March 2010*

- Helped in organizing the Mathematical Crusade, an Interschool Contest in Delhi and NCR
- Conducted workshops for students to encourage participation in Mathematics Olympiad

#### ACQUAINTANCE BEYOND CORE

- Economics • Advanced Probability Theory • Statistical Inference • Derivative Pricing

## SCHOLARSHIPS

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**Merit Scholarship for Professional Studies** by Central Board of Secondary Education for securing an All India Rank of 323 in AIEEE 2010

**Scholarship** (given only to top 10 students) by Science Olympiad Foundation for securing an All India Rank of 9 in National Science Olympiad 2009

**National Talent Search Scholarship** by National Council for Educational Research and Training for qualifying National Talent Search Examination 2008

## SUMMER INTERNSHIPS

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**Wiselib**, *Prof. Sandor P. Fekete, TU Braunschweig*

*May - July 2012*

- Ported Wiselib, an algorithms library for networked embedded devices to Arduino
- Implemented all the basic Wiselib concepts like OS, timer, radio, debug, clock, UART to enable execution of Wiselib algorithms on Arduino based devices

**Self-Learning Arm Robot**, *Electronics Club, IIT Bombay*

*May - July 2011*

- Made a robotic arm capable of generating a database of all the stable positions and using that to move to the instructed position
- Abstracted the notion of self-learning to the robot, which can be developed for locomotion

## ACADEMIC PROJECTS

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**3D Terrain Graphics**, *Guide: Prof. Varsha Apte*

*October - December 2011*

- Made an application to draw 3D terrain graphics from height maps by implementing Real time Optimally Adapting Meshes level of detail landscape rendering algorithm

**ProZip**, *Guide: Prof. Amitabh Saniyal*

*February - April 2011*

- Designed a file compressor in Scheme implementing LZW, Huffman, Shannon - Fano algorithms for compressing files and analyzed their efficiency by comparing their compression-ratio

**Battle Tanks**, *Guide: Prof. D.B. Phatak*

*October - December 2010*

- Led a team to design a game like Pocket Tanks with application interface for single player mode apart from general double player and training modes in C++ using EzWindows library

## EXTRACURRICULAR ACTIVITIES

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### Cultural

- Performed a street play at Mega Mall, Oshiwara as a part of Thespo contingent team on Independence Day 2011
- Was part of the IIT Bombay street play contingent to Umang 2011, Narsee Monji College
- Scripted and performed in the hostel play, bagging third prize in Dramatics G.C. 2011
- Awarded several prizes in the intra-college debating and literary arts competitions
- Attended annual National Cadet Corps training camp of 10 days and was awarded B certificate
- Awarded Hostel Cultural Color for excellence in cultural activities for the year 2011 - 2012

### Technical

- Awarded first prize from Children's Technology Workshop for completing Lego Robotics Sumo Challenge in August, 2010
- Secured third position in Arduino Coding Competition 2011 conducted by Electronics Club
- Semi-finalist of the Loop Rush Competition held at TechFest 2011
- Awarded Hostel Special Mention in the field of Technical Activities for the year 2010 - 2011