



**K Sanath**  
**Electrical Engineering**  
**Indian Institute of Technology, Bombay**

**100070027**  
**UG Second Year**  
**Male**  
**DOB: 20-10-1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	9.54
Intermediate/+2	Board of Intermediate Education, Andhra Pradesh	Narayana Junior College, Hyderabad	2010	95.70
Matriculation	Board of Secondary Education, Andhra Pradesh	Montessori High School, A-Camp, Kurnool	2008	94.17

## ACADEMIC ACHIEVEMENTS

- Ranked **13<sup>th</sup>** in **IIT-JEE** among over 4.7 lakh students all over India in *2010*
- Ranked **8<sup>th</sup>** in **IIST** (Indian Institute of Space Technology) entrance exam (ISAT) in *2010*
- Ranked **28<sup>th</sup>** in **AIEEE** among over 10.6 lakh students all over India in *2010*
- Recipient of the prestigious **NTSE scholarship** awarded by **NCERT**, New Delhi, along with 1000 students all over India from *2009-present*
- Selected for **KVPY** (Kishore Vaigyanik Protsahan Yojana) **scholarship** awarded by the Government of India for the year *2010*
- Shortlisted for **interview round** of **Indian Statistical Institute** entrance exam along with 112 other students all over the country in *2010*
- Received **Award of Excellence** in **Australian Chemistry Quiz** conducted by **The Royal Australian Chemical Institute** across 15 countries in *2007*
- Reached the **National level** in **Physics, Chemistry and Astronomy olympiads** in *2010*
- Winner of **Indian Maths Marathon** along with 24 other students all over India in *2005*
- Received **high distinction** twice and **distinction** once in mathematics in **IAIS** (International Assessment for Indian Schools) conducted by **The University of New South Wales**, Australia from *2005 to 2007*
- Ranked **13<sup>th</sup>** all over India and received scholarship from **Children's Welfare Trust of India**, Chandigarh

## POSITIONS OF RESPONSIBILITY

- Working as a **convener** of **Rubik's club**, responsible for leading a team from IIT Bombay to break the existing **Guinness World record** for the maximum number of Rubik's cubes simultaneously in under 12 minutes in *March 2012*
- Working as **tech mentor** and guiding 16 freshers to make their first car as part of **TechOne**, the first technological event for freshers conducted by STAB at IIT Bombay
- Working as a coordinator of **Lecture Series** in Techfest *2012* and organized the lecture by **David Griffiths**, an eminent physicist as a part of Techfest
- Was the **group leader** of a course project and led a team of 4 to complete the back end coding of a game of monopoly using C++
- Was an **organizer** of **Lecture Series** in Techfest *2011* and I organized the lecture given by Michael Jones, the founder of Google Earth which had an audience of about 1000 people
- Was the **School Pupil Leader** of my school for the academic year *2007-08*

## TECHNICAL ACTIVITIES AND PROJECTS

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- **Gaming Interface in C++:** *(Autumn 2010, course project)*  
**Guide:** Prof.D.B.Phatak  
Made a **game of Monopoly** based on mouse events in C++ and using a Graphical User Interface of API based EzWindows in Linux along with 10 other students
- **Term Paper on Working of USB mouse:** *(Spring 2010, course project)*  
**Guide:** Prof.J.Vasi  
Studied in detail the **internal working** of a **USB optical mouse** and submitted a **8 page term paper** on the same along with 2 other students
- **Track mania:** *(August 2010)*  
Made a manually controlled race car (wireless) capable of negotiating different types of obstacles

## SKILLS

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- **Operating Systems** : Microsoft Windows, Linux
- **Programming Languages:** C/C++, Java, HTML, CSS
- **Packages** : Eagle, LTSpice, Verilog

## EXTRACURRICULAR ACTIVITIES

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- Received **brown belt** in Karate (okinawan gojuryu shoreikan karate)
- Holder of **B Certificate** in NCC (National Cadet Corps) under IIT Bombay regiment
- Was a member of the team that built the sets for Performing Arts Festival (PAF) -2011
- Play racing games and puzzle games (e.g. Minesweeper, Su-do-ku), Carroms, etc.,

## COURSES COVERED (by April 2012)

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| • Digital Systems  | • Data Interpretation and Analysis |
| • Analog circuits  | • Calculus                         |
| • Signals and systems                                    | • Differential Equations           |
| • Electric machines and power electronics                | • Complex Analysis                 |
| • Electronic Devices and Circuits                        | • Linear Algebra                   |
| • Network theory   | • Consumer Psychology              |
| • Introduction to Electronics                            | • Discrete Structures              |
| • Introduction to Electrical Systems                     | • Electricity and Magnetism        |
| • Computer Programming and Utilization (C++ Programming) | • A first course in optimization   |