



Tanmoy Bhunia
Mechanical Engineering
Indian Institute of Technology Bombay

120100060
UG Second Year
Male
DOB: 05/10/1994

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	9.00
Intermediate/+2	DAV Public School,Kota	DAV Public School,Kota	2012	93.40
Matriculation	Delhi Public School,Vindhyanager	Delhi Public School,Vindhyanager	2010	10.00

Key Scholastic Achievements

- ✓ Attended Orientation-Cum-Selection Camp for 11th Indian National Astronomy Olympiad, 2009 and 2nd Indian National Junior Science Olympiad, 2009 at Homi Bhabha Centre for Science Education for selection of students to represent India at the 14th International Astronomy Olympiad.
- ✓ Placed in Top 1% in National Standard Examination in Astronomy, 2007, 2008 & 2011 and National Standard Examination in Physics, Chemistry & Astronomy, 2011 organised by Indian Association of Physics Teachers.
- ✓ National Topper in first as well as final round of All India DPS Science & Mathematics Talent Examination, 2008-09.
- ✓ NTSE (National Talent Search Exam conducted by NCERT) scholar since 2009 and KVPY (Kishore Vaigyanik Protsahan Yojana) fellow during 2011-12.
- ✓ All India Rank 1st (2006), 2nd (2004), 24th (2005), 3rd (2007), 4th (2009), 8th (2008) in NSTSE by Unified Council.
- ✓ All India Rank 1st (2008), 6th (2006), 22nd (2009) in National Cyber Olympiad by Science Olympiad Foundation.
- ✓ All India Rank 4th (2007), 4th (2008), 6th (2004) in National Science Olympiad by Science Olympiad Foundation.
- ✓ Awarded in MP Vigyan Prativa Samaroha, 2010 for achieving 6th position in Indian National Mathematics Olympiad, 2009-10 by His Excellency – Balram Jhakar ,the Governor of Madhya Pradesh .
- ✓ Rank 1st (2009), 2nd (2008), 1st (2007), 1st (2006), 3rd (2005) in MBD Talent Search Examination.
- ✓ 1st Rank in English & 1st Rank in Mathematics in International Assessment for Indian School by The University of South Wales, Australia.
- ✓ Awarded “A+” Grade in National Graphics Championship, 2006 for the Project titled “Journey to the Universe”
- ✓ Ranked 415 among 5 lakh candidates in IIT-JEE 2012

Projects Undertaken

✓ GUI Sudoku Solver

Guide : Prof. Sridhar Iyer

Summer 2013

- Developed and implemented the backtrack algorithm for solving a given Sudoku in C++
- Designed a Graphical Interface to display Sudoku results

✓ Tic Tac Toe – A Case of Game Algorithm Analysis

Guide : Prof. Arvind Sharma

Class-XII 2012

- Created a Recursive Algorithm for computer to play Tic Tac Toe against a human user in Class XII
- Implemented advanced methods such as “Pruning Of Trees (Similar To Chess)” For efficiency

Quizzes

- ✓ Stood 1st in Open General Quiz, 2012 in Institute Level at IIT Bombay
- ✓ Achieved 3rd Position at Regional Level in the Swedish Quiz, 2012 conducted by the Embassy of Sweden
- ✓ National Champion (2004) and Runner-Up(2007)in All NTPC Medha Pratiyogita & Quiz Competition conducted by Quiz Master Derek O’ Brien.
- ✓ National Champion in the Quest Inter School Quiz (2006).
- ✓ Achieved 3rd position in PROCOM Quiz Contest, 2005

Courses Undertaken

Core Courses	Fluid Mechanics, Strength of Materials and Solid Mechanics, Thermodynamics, Metallurgy and Manufacturing Processes, Calculus, ODE & Linear Algebra
Minor (Computer Science)	Discrete Mathematics, Data Structure & Algorithms
Lab	Workshop, Engineering Drawing, Manufacturing , Solid Mechanics
Additional Learning	Renewable Energy Technologies

Skills / Interests

- ✓ C++, Java, Python, HTML
- ✓ NLP, Cryptography, Game Puzzles, Quizzing, Teaching
- ✓ Thermal Power Plant, Renewable Sources of Energy

Positions Of Responsibility

- ✓ Junior Design Engineer in Powertrain, IIT Bombay Racing
- ✓ Organiser in Mood Indigo, 2012