



Computer Science & Engineering  
Indian Institute of Technology Bombay

120050003  
B.Tech.  
Male  
DOB:

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	8.15

## ACADEMIC ACHIEVEMENTS

- Secured an All India Rank of **290** in **IITJEE 2012** among **5 lakh** aspirants
- Secured **95.64%** in matriculation and **85.83%** in intermediate/+2 conducted by Maharashtra state board
- Secured **17<sup>th</sup>** position in **Indian National Mathematical Olympiad 2011** conducted by NBHM and Attended **IMO Training Camp 2011** conducted by HBCSE, Mumbai
- Awarded a Gold Medal in **Indian National Physics Olympiad 2012** and Attended **International Physics Olympiad Training Camp 2012** conducted by HBCSE, Mumbai
- Qualified for **KVPY 2011-12** fellowship with **AIR 215**

## WORK EXPERIENCE

- Software Developer, Function Space** Summer'14
- Implemented a **Document Classifier** in python using **Maximum Entropy Classification Algorithm**
  - D3.js** library to create User Interface with Dynamic and Interactive Components for data visualization
- Web Developer, Infermap** Nov'13-Feb'13
- worked as **Web Developer** at **Infermap**, a web based educational portal launched in 2014, started by IITB students

## ACADEMIC PROJECTS

- Conversion - Natural Language to SQL** *Guide: Prof. Dr. Pushpak Bhattacharyya* Ongoing
- Working on various aspects of **Natural Language Processing** for translating queries written in natural language to SQL
- Chess** *Guide: Prof. Amitabha Sanyal* Mar'13-Apr'13
- Served as a **Team Leader** of a 3 member team
  - Implemented **Mini-Max algorithm** with **Alpha-Beta pruning** in **MIT-scheme** for machine player with moves optimized till 6 depth level of gameplay
- iNote - Handwriting to Text Converter** *Institute Technical Summer Project* Summer'13
- Built an **Android App** which takes notes in your handwriting and converts it to text
  - Awarded **Best Research Project Award**
- Steam Engine Simulation in Box2D** *Guide: Prof. Parag Chaudhuri* Mar'14-Apr'14
- Simulated the motion of Steam Engine in **Box2D**, a Physics Simulation Engine based on OpenGL
  - Used other tools like **gprof**, **gnuplot** to analyse and optimize the performance
- Fish Aquarium Simulator** *Guide: Prof. Abhiram Ranade* Oct'12
- An interactive virtual aquarium containing marine fishes swimming around in colorful habitat
  - Designed and Developed in C++ with **graphical user interface**

## SKILLS AND CO-CURRICULAR ACTIVITIES

- Skilled in **C++**, **MIT-Scheme**, **HTML**, **CSS**, **PHP**, **Python** and familiar with Haskell, Prolog, Android development (platform: Linux and Windows)
- Participated in **Yahoo! HackU 2013** and built a online community portal for business professionals
- Active user on online coding forums like HackerRank and SPOJ(Sphere Online Judge)
- Made an RC car for XLR8, a multi-terrain race for RC cars
- Successfully completed the course conducted by National Service Scheme