



Nivvedan S  
Computer Science & Engineering  
Indian Institute of Technology, Bombay

100050084  
UG Second Year  
Male  
DOB: 10 April 1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.63
Intermediate/+2	Central Board of Secondary Education	Maharishi Vidya Mandir Senior Secondary School	2010	93.60
Matriculation	Tamil Nadu State Board of School Examination	Holy Cross Matriculation Higher Secondary School	2008	95.00

## ACCOLADES & ACHIEVEMENTS

- Was awarded the prestigious **KVPY Fellowship** (in SA Stream) offered by the **Department of Science and Technology (DST)**, Government of India to a rigorously selected few students with an aptitude for research. [2008]
- Qualified in the **Indian National Astronomy Olympiad (INAO Senior Level)** and was amongst 40 odd students in the country to attend the **Orientation Cum Selection Camp (OCSC)** at Homi Bhabha Centre for Science Education (HBCSE). [Summer 2010]
- Secured an **All India Rank of 113** in the IIT Joint Entrance Examination, touted to be the world's most competitive examination, from amongst more than 4,75,000 candidates. [2010]
- Secured a Tamil Nadu **State Rank 2** and an **All India Rank of 200** in the All India Engineering Entrance Examination (AIEEE) conducted by the CBSE, from amongst nearly 1.2 million candidates. [2010]
- **Topped the State in Proficiency Test in English (PTE)** conducted by Shakespeare Institute of English Studies. [2005-2006]
- Qualified for the **Indian National Chemistry Olympiad (INChO)**, conducted by the Homi Bhabha Centre for Science Education (HBCSE), after being placed amongst the **top 300 students in the country** in the National Standard Examination in Chemistry (NSEC).
- Meritorious performance in a plethora of competitive exams such as Regional Mathematics Olympiad, National Science Olympiads, National Cyber Olympiads, NSTSE, International Assessment of Indian Schools (IAIS) and other national and state level competitions.

## AREAS OF INTEREST

- Web Design, User Interface (UI) design, Machine Learning, Computer Security, Finance.
- Obsessed with Defensive programming and proper documentation.
- Translation and development of Wikipedia and other open source projects into Indian languages.
- Human Rights issues – Specifically, the rights of sexual minorities.

## POSITIONS OF RESPONSIBILITY

- Was an organizer and currently a coordinator for Techfest – Asia's Largest Science and Technology Festival. [2011]
- Was an organizer of Mood Indigo, IIT Bombay's Annual Cultural festival [2010]

## SKILL SET

---

### Technical:

**Operating Environments:** Very comfortable with UNIX as well as Microsoft Windows® Environments.

**Languages Proficient in:** C/C++, Python, Java and LISP.

**Web Skills:** Well acquainted with HTML (XHTML), CSS, JavaScript, PHP and MySQL.

**Miscellaneous:** Familiar with the Android SDK, the Eclipse Development Environment, MATLAB®, GNU GIMP and Microsoft Office® Suite.

### Linguistic:

Known Languages - English (Proficient), Tamil (Native), Hindi (Intermediate), Telugu (Intermediate) and Spanish (Beginner).

## Co-CURRICULARS

---

- Was awarded the **Rajya Puraskar (Governor) proficiency badge** in Scouting by the Bharat Scouts and Guides. [2006]
- Was involved in the Group for Rural Activities (GRA) wing of the **National Service Scheme (NSS)**.

## PROJECTS

---

**Smart Alarm** (*Android App*) [Summer 2011]

The *Smart Alarm* Android App ensures that you're reminded of the reason why you set a particular alarm, before you're able to turn it off. You can turn the alarm off only if you answer an auto-generated question based on the statement of purpose that you're required to input at the time of setting an alarm. I got well-acquainted with the Android SDK and got familiar with Java and XML UI layouts through this project.

**Drabble** *Guide: Prof. Amitabh Sanyal* [2011]

Drabble is a Single player/Multiplayer LISP (Scheme) implementation of the popular board game Scrabble™. It implements the computer player with the Scrabble algorithm proposed by Appel and Jacobson, using a simplified version of the DAWG data structure (Directed Acyclic Word Graphs).

**Kurukshetra** *Guide: Prof. Deepak B. Phatak* [2010]

Kurukshetra is an Indian flavoured imitation of the popular one-on-one battle game Pocket Tanks™. It was undertaken as a part of Freshman Computer Science course in C/C++.

## RELEVANT COURSES TAKEN

---

**Core Courses:** Computer Programming and Utilization, Abstractions and Paradigms in Programming, Data Analysis and Interpretation, Data Structures and Algorithms\*, Discrete Structures\*

**Other Relevant Courses:** Economics, Linear Algebra, Differential Equations, Accounting and Finance\*, Introduction to Electrical and Electronic Circuits\*

\* Starred Courses are to be completed by November 2011.