



Aditya Gupta
Computer Science & Engineering
Indian Institute of Technology, Bombay
Specialization: I am open to all work that is given to me

09005017
UG Third Year (B.Tech.)
Male
DOB: 09/02/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.46
Intermediate/+2	CBSE Board	D.A.V. Cent. Public School	2009	87.00
Matriculation	CBSE Board	D.A.V. Cent. Public School	2007	88.80

SCHOLASTIC ACHIEVEMENTS

- Received an **All India Rank** in **top 1 %** of the total students who gave **Indian Institute of Technology Joint Entrance Exam 2009** (3650 in 400000).
- Received an **All India Rank** in **top 1 %** people who gave **All India Engineering Entrance Exam 2009** conducted by the Central Board of Secondary Education (CBSE), (6500 in 1000000).
- Was awarded a **Bonus** for sincerity and making extra effort in work during the **internship** at **iDiscoveri Education Pvt. Ltd.**
- Was awarded a **gold medal** for excellent performance in the class XII exams (87.0 %)
- Is awarded **book award** from Bharat Sanchar Nigam Limited every year from class V onwards.
- Was awarded **scholarships** for excellence in studies in class VIII. (85.2 %) and X (88.8 %)
- Stood first in the Science subject in Class X Board exam conducted by CBSE (2007).
- Received an Outstanding performance certificate at an all India level conducted by NIIT (2006).

INTERSHIPS

- Successfully completed a six week long internship at **EKALAVYA, Indian Institute of Technology Bombay**, under **Prof. DEEPAK B PHATAK, CSE Dept., IIT Bombay**. Worked under the project '**proxyMITY** – multimedia lecture editing and previewing tool'. The project is sponsored by **Ministry of Human Resource and Development (MHRD), Government of India**. It aims at building a open-source tool in which a user can import video lecture from users memory or from a distant server or live lecture through web-cam capture and corresponding lecture notes (slides, pdfs or docs) and can synchronise the slides with the video. Different other options are also provided by the software like to add theme to a group of slides. It is released on both desktop version as well as Browser version. The project required a vast amount of **Java** coding for **back-end utilities** and **JavaFx 2.0** coding for the **multimedia rich front-end**.
- Successfully completed a month long internship at **iDiscoveri Education Pvt. Ltd.** (1st Dec – 31st Dec, 2010) under Ms. **JYOTI TRISAL**, Head, Content Development and Research. as a content developer in which developed study material for students and teachers of class I to VII of topics under Science and Mathematics.

PROJECTS

- Successfully made a **3-D TIC TAC TOE**, a board game involving abstract strategy in the functional programming language Lisp (MIT Scheme). The program is **purely functional**, and allows the user to play against the computer as well as two users. The min-max algorithm, alpha-beta pruning, with many other optimizations were used.
Guide: Prof. Amitabha Sanval, CSE Dept., IIT Bombay (Spring 2010).

- Created a **REGISTRATION** GUI module in **MINI- UID**, a unique identification project (using Finger-print as unique identifier) in C++.
Guide: Prof. Deepak B. Phatak, CSE Dept., IIT Bombay (Autumn 2009).
- Made a project **School Database Management** in class XII using visual basic as front-end and oracle SQL as back-end
Guide: Mr. Vipin Sharma.
- Made an **electronic “match the following”** in class X.

CORE COURSES UNDERTAKEN

- The core courses that I would be completing till April 2012 are:
 - Computer Programming and Utilization, Abstractions and paradigms for Programming
 - Discrete Structures, Data Structures and Algorithms, Design and analysis of algorithms
 - Automata theory and Logic, Logic Design
 - Database and Information Systems, Operating Systems, Computer Architecture
 - Computer Networks, Artificial Intelligence, Compilers, Embedded Systems

POSITION OF RESPONSIBILITY

- **Editor of Aawaaz**
Aawaaz is the Hindi media body of Indian Institute of Technology Bombay, comprising of about 15 members.
Responsible for **interviews, writing and editing articles** for the newsletter “Aawaaz” and also web related work like Video-interviews, web articles and maintaining website.

EXTRA CURRICULAR ACTIVITIES

- Participated with a team in the **Technic General Competition** (inter hostel) for the hostel and won.
- Made a **wireless F1 car** for inter hostel competition
- Did volunteer work in the **Census of India 2011** in Rajasthan (India).
- Participated in hostel **dramatics** events.
- Participated in a Crossy event (inter-hostel) in which came in top 50 participants.

SOFTWARE SKILLS

NetBeans IDE	Jhumla	Microsoft Office	Matlab
SIMP Simulator	Scilab	Adobe Photoshop	GNUplot

PROGRAMMING SKILLS

C	C++	Java	JavaFx 2.0	SQL	PL/SQL
HTML	CSS	PHP	Java Script	Latex	Perl
Assembly Language	Shell Commands (Linux)	Bash Scripting	MZ-Scheme (LISP)	Python	Visual Basic