



**Rahil Shah**  
**Computer Science & Engineering**  
**Indian Institute of Technology, Bombay**

**09005011**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 10/10/1991**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.71
Intermediate/+2	Maharashtra State Board(HSC)	D.G Ruparel College	2009	88.00
Matriculation	ICSE	Cathedral and John Connon High School	2007	92.43

## SCHOLASTIC ACHIEVEMENTS

- Secured an **All India Rank of 81** in the Joint Engineering Examination, 2009 amongst **384,977** applicants
- Secured an **All India Rank of 314** in the All India Engineering Entrance Exam, 2009 amongst **nearly 1,000,000** applicants
- Recipient of the **IITB Heritage Scholarship** awarded to meritorious students of IIT Bombay

## POSITIONS OF RESPONSIBILITY

### CORE GROUP MEMBER, INFORMALS - MOOD INDIGO 2011

[APRIL '11 – TILL DATE]

*Mood Indigo, the Annual College Cultural Festival of IIT Bombay is the **largest in Asia**, with a total budget exceeding **INR 15 million**, and participation of more than **75000 college students**, from more than **550 colleges** across the country*

- Leading** a **2-tier** team of over **150 student volunteers** to organize **75 events**, a y-o-y increase of **50%** in the number of events
- Revolutionized** the entire structure, philosophy and concept of the department by the introduction of extensive street events, **unconventional sports arenas**, lounges, institute tours and main stream adventure activities along with stress on **publicity and efficient execution plans**
- Conceptualized** the “*Mood Indigo Party*”, with an expected budget of more than **INR 1 million** and participation of over **10,000** students; currently involved in the **planning and execution** of the same
- Pioneered** the use of Informal Events for **publicity** by introducing large scale **pre-Mood Indigo** events like *All Mumbai Treasure Hunt* and *Online Stock Market*, each with an expected participation of over **1000 students**

### DEPUTY SECRETARY GENERAL, RUPAREL MODEL UNITED NATIONS

[AUG – OCT '07]

- Part of the **Core Team** which **initiated** the **1<sup>st</sup> ever** Model United Nations at Ruparel College, Mumbai 2007 over 2 days with a participation of over **150 students** and a budget of over **INR 100,000**
- Responsible** for the **design** and upkeep of the **website** and **registration** of participants
- Was the **Assistant Director** of the **15** country strong **Security Council**, the highest decision making body of the United Nations

## ACADEMIC PROJECTS

### WORD DATABASE

[OCT-Nov '10]

- Guide: **Prof. Om Damani**, Department of Computer Science and Engineering, IIT Bombay
- Secured **first position** in a batch of **75 students** of CSE, IIT Bombay
- Created in **C++** using the **GTKMM library** for the **User Interface**
- Designed**, both the **Data Structure and Prioritization Algorithm** for storing, and ordering a very large number of words (**> 170,000 words**)
- Implemented a recursive **Anagram Generator** which found all legal anagrams of a given word
- Spell Checker**: **All errors** caused by replacing, missing, adding or switching of letters were **corrected**

- Guide: **Prof. Amutabha Sanyal - HOD**, Department of Computer Science and Engineering, IIT Bombay
- **Abstract Strategy Board Game** implemented using the functional programming language **DrScheme**
- **Artificial Intelligence**, implemented using **Minimax Algorithm**, was coded to ensure **user chosen difficulty**
- **Edit Board** allowed users to begin from **any position** with a **dynamically created game board**

**MINI-NATIONAL UNIQUE IDENTIFICATION (UID) PROJECT****[OCT - Nov'09]**

- Guide: **Prof. Deepak Phatak**, Department of Computer Science and Engineering, IIT Bombay
- Developed software to assign a **Unique** Identification Number to **every** IIT Bombay student
- Implemented code in **C++** for **Finger-print classification** and **consolidation**
- Designed by creating a **template** using **Minutiae** after thinning of the Image

**EXTRA-CURRICULAR****FUNDAMENTAL ANALYSIS OF STOCK MARKET**

- Successfully completed a course on fundamental analysis at the **Bombay Stock Exchange**
- Learnt **Annual Report Reading and Market Valuation** by understanding the basics of Ratio Analysis, Company Analysis, Sectorial Analysis and Market Analysis

**SOCIAL WORK**

- **Avanti Fellows**: Worked as a **mentor** for the **award winning** NGO started by **students of IIT, Bombay**, mentored an **underprivileged student** through her junior college years and her preparation for IIT-JEE
- **Khwaish: Conceptualizing and executing** a social campaign for the upliftment of **underprivileged children** as a part of Mood Indigo 2011. Have collaborated with **NGOs like MAD** for the execution of the same

**SPORTS**

- **Basic Mountaineering Course**: Completed a **26 day course** in Basic Mountaineering held by A.B Vajpayee Institute of Mountaineering and Allied Sports, recognized by government of Himachal Pradesh
- **Annual Swimathon**: Covered a distance of **7.7 km** in **6 hours** in the Annual Swimathon
- **Manager** of the team that came **2<sup>nd</sup>** in the Institute Football League
- **Karate**: Awarded the **Brown** belt in Karate, after mastering the art of Karate for nearly **7 years**

**TECHNOLOGICAL**

- **3<sup>rd</sup>** in the open coding competition held by IIT Bombay, April 2010
- **Winner of Junkyard Wars** at Chaos 2010, IIM Ahmedabad's Annual Cultural Festival

**SKILL SET**

- **PROGRAMMING LANGUAGES**: C, C++, Java, Lisp(Scheme), SQL, HTML, php, Java Script
- **OPERATING SYSTEMS**: Windows, GNU/Linux, **TOOLS AND APPLICATIONS**: Netbeans, Matlab, Scilab

**RELEVANT COURSES****DEPARTMENTAL**

- Computer Networking, Operating Systems (including Computer Security)
- Database and Information Systems, Design and Analysis of Algorithms, Data Structures and Algorithms

**NON-DEPARTMENTAL**

- **Humanities and Social Sciences**: Managerial Economics, Economics, Sociology
- **Math**: Calculus, Linera Algebra, Differential Equations, Numerical Analysis
- **Data Interpretation and Analysis** (including SCILAB)