



Ananya
Mechanical Engineering
Indian Institute of Technology, Bombay

110020030
UG Third Year
DOB: 26/11/1993

Examination	University	Institute	Year	CPI/%
Graduation	IIT Bombay	IIT Bombay	2013	8.24/10
Intermediate/+2	Rajasthan State Board	R.N. Tagore School	2010	93.23
Matriculation	Rajasthan State Board	R.N. Tagore School	2008	93.5

ACADEMIC ACHIEVEMENTS

- Qualified for branch change option applicable to top **5%** students
- **Topped** in Physics-Chemistry-Maths in **Rajasthan State Board** securing **98.88%**
- Pursuing minor in **Computer Science and Engineering**

KEY ACADEMIC PROJECTS

DIAMOND DETECTOR

[Jan '13-Present]

Under Prof. Raghav Verma

- The aim of the project is to use diamond as detector for radiations and particles generated in experiments at CERN replacing the silicon and germanium detectors.
- Involves manufacture of artificial diamond chips followed by their calibration for use as particle detector.

VIRTUAL LABS (SPONSORED BY MHRD)

[May -July '12]

- Virtual Labs is an all-India level initiative aimed at providing **remote-access to the labs** and **help the students in learning basic and advanced concepts through remote experimentation**
- Involved in making layout for the virtual experiments and designing lab-on-chip experiments

NATIONAL MISSION ON EDUCATION THROUGH ICT

[June-July '12]

- Involved developing problems related to **Data Analysis and Interpretation**
- Problems will be **utilized by students and teachers** from other schools and colleges (e-learning)

INTERNSHIP

WINTER INTERNEE, TECHNOCRAFTS

Technocrafts is one of the world's largest drum closures manufacturing company

[Dec '12]

- Analysed and studied the working and all the steps involved in the designing of machine die parts, drum closures, scaffolding and tubes.

USER EXPERIENCE DESIGNER, KUCHNAYA

[June-July '12]

Kuchnaya is an online platform for creating and exploring interactive presentations

- Worked as a **UX designer** for Kuchnaya and gave the competitor's products' reviews
- Conducted **Usability Testing** for Kuchnaya website helping in the **improvement of the user interface**

MARKETING, ICLINIQ

[June-July '12]

Icliniq is an online consultation facilitating platform between doctors and patients

- Contacted doctors and patients for registering on Icliniq

PRINCETON-IIT FACULTY SURVEY

[May '12]

Part of PhD project of Mr Dinesh Mistree, PhD Student, Department of Politics, Princeton University

- Conducted a **survey** for **2000+ pan-IIT Faculty** to develop an insight on the difference in bureaucratic functioning (work culture, incentives) of Indian Government employees in IITs

INDUSTRIAL VISIT

SULPHURIC ACID PLANT ANALYSIS (Rashtriya Chemical Fertilizers Limited, Mumbai) [Jan '12]

- Visited RCF, Mumbai to **study the designing and working of sulphuric acid plant**
- Prepared detailed **report on flow processes and mass balances** in the plant

BASF, GERMAN CHEMICAL COMPANY (Navi Mumbai Industry) VISIT [March '12]

- **Among the top 40 students** selected for the plant visit after the BASF-IIT Industry Visit Quiz
- Saw the **working of seven chemical plants** at BASF, Navi Mumbai

POSITION OF RESPONSIBILITY

WEB, IT AND PUBLICITY COORDINATOR, ACADEMIC COUNCIL [Mar '12- Present]

Creating, uploading and publicizing academic awareness videos, part of the Academic Executive body

- Planning initiatives for the Academic council including **Book Bay** and **Institute Summer Projects**
- Organised **UG Research Symposium** consisting of Poster Presentation by UG students

STUDENT ALUMNI RELATIONS CELL (SARC), MANAGER [Apr '13-Present]

- Helped in **conducting Panel Discussions** and **Networking sessions** during **Student Alumni Meet 2011**
- Actively participated in the **Phonathons** involving calling Indian and US-based alumni of IITB

SOCIAL WORK

GROUP FOR RURAL ACTIVITIES (GRA) VOLUNTEER [Oct '11]

- Organized the **bicycle donation function** in which over 75 bicycles donated by IITB students were distributed among the **students of Jawahar village** near Thane
- **Visited the nearby rural areas** of Jawahar. Had a close look at their life, the **problems being faced by them and the solutions** being implemented

TECHNICAL PROJECTS

LINE FOLLOWER AUTONOMOUS BOT [Oct '11]

- Designed an autonomous bot that selectively followed white line on a black and white track
- Secured **9th** position for completing the track in minimum amount of time

WIRELESS REMOTE CONTROL BOT [Aug '2011]

- Designed a wireless remote control car whose objective was to complete a given track consisting of sand and other obstacles in minimum amount of time

COURSES UNDERTAKEN

• COMPUTING AND STATISTICS

Data Analysis and Interpretation, Data Structures and Algorithms, Computer Programming and Utilization, Computer Networks

• MECHANICAL

Cryogenics Engineering-I, Manufacturing Processes-I, Thermodynamics, Fluid Mechanics, Strength of Materials, Solid Mechanics, Engineering Metallurgy

• MATHEMATICS

Introduction to Numerical Analysis, Linear Algebra, Differential Equations, Calculus

TECHNICAL SKILLS

• PROGRAMMING

C++, Root (General syntax for 1-D histograms and related simple manipulations like in C++)

- Comfortable with both UNIX and Windows environment.