Adwaitvedant Mathkar

802, Tapasya, Sayani Road, Prabhadevi, Mumbai-400025 | adwaitvedant.mathkar@iitb.ac.in | (91) 99-208-70275

EDUCATION:

Indian Institute of Technology Bombay
Candidate for BTech + MTech (Dual Degree) in Electrical Engineering, 2014
Current GPA: 9.25/10
Minor in Computer Science
Relevant Courses: Statistical Modelling, Stochastic Optimization, Economics, Psychology, Machine Learning, Data Analysis

Asian School of Cyber Law (in parallel with engineering degree)   [April 2011- May 2012]
Digital Evidence Analyst
Coursework: Cybercrime investigation, forensic, Digital Evidence Analysis and Information Technology Law.

Nov 2006   - Awarded Silver **Medal** at the *International Astronomy Olympiad* **representing** India among **20 nations worldwide**

May 2009   - Ranked **Nationwide 1st** among **~30K** students in the *Indian National Mathematics Olympiad*(two tier exam) .
Attended a Training Camp in mathematics and statistics.

Nov 2009   - Ranked among **National top 1%** (among ~**30K** students) in both Indian National Physics and Chemistry Olympiad

EXPERIENCE:

May- July 2012   **MIT Sloan School of Management**   **(Ford Motors-MIT Collaboration)**
Can data generated by business provide greater insights into the way consumers' make choices?
- Implemented various optimization algorithms to infer consumer behaviour from business data.
- Applied them on Ford Fiesta 2011 transaction data (consisting of **5000 sales**) to identify consumers' relative preferences over attributes of the cars.
- **Modelled** the way consumers' make choices under different assortments of cars and **cross-validated** against the **5000 sales** point.

May- July 2011   **Department of Electrical Engineering, IITB**   (undergraduate researcher)
- Developed algorithms to convert an algorithmic description into an equivalent electrical circuit

May-July 2010   **Electronics Club, IITB** (independent project with 2 colleagues)
- Developed a GPS navigator and a graphical unit to display locations and the shortest path joining them.

ACTIVITIES:

May 2010 – Feb 2011   **Pratham: IIT Bombay Student Satellite Initiative**
- Member of IITB's first Student Satellite team, consisting of over **50** people.
- **Quality Assurance Team:** Suggested improvements in reliability of the student Satellite (~**98 %**).

July 2010- Nov 2011   **Execution Panel, InsIghT** the Institute Student Newsletter.
- Addressing issues of the day by generating content for the newsletter, website and bulletin board

Dec- Jan 2011   **Autonomous Image Processing Robot**:
- As a part of **4 member team**, constructed an autonomous robot capable of tracking coloured balls.
- Placed among **top 8** at Techfest, Asia's largest student technical festival.

Part of Summer **Inter Cultural Program** discussing culture, history etc of various nations, while at **MIT** (summer 2012)

Underwent yearlong training in swimming during freshmen year; participated in swimathons; part of Hostel's waterpolo team

PERSONAL: Interested in Swimming, Jogging, star-gazing, economics