



Mohit Sadayet
Electrical Engineering
Indian Institute of Technology, Bombay
Specialization: Microelectronics

09D07031
UG Third Year(Dual Degree)
Male
DOB: 25-10-1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.53
Intermediate/+2	C.B.S.E	St Johns Sr Sc School	2008	78.40
Matriculation	R.B.S.E	V.V John Memorial School	2006	86.00

Scholastic Achievements:

- Secured an All India Rank 208 in IIT-JEE 2009, out of more than 4,00,000 students who appeared for the examination.
- Secured an All India Rank 350 in AIEEE 2009, out of more than 8,00,000 students who appeared for the examination.

Academic Projects:

- Constant Speed Car with Direction Control (Spring 2012)
Car maintains a constant desired speed even if slope of surface changes during the motion of car. The direction and desired speed of the car could be controlled through wireless communication.
Guide : Professor P.C. Pandey
- Image Segmentation (Autumn 2011)
Build programs in C/C++ covering Thresholding based Image Segmentation Methods which were Basic, Band, Optimal and K-means Thresholding. We used Open CV to deal with the images.
Guide : Professor S. Vijaykumaran
- Multithreading (Summer 2011)
Built a code in C/C++ to solve various size sparse matrices on a multi core platform using multithreading as a summer project.
Guide : Dr Gaurav Trivedi
- Snakes & Ladders (Spring 2011)
Designed and developed the Digital Implementation of Snakes and Ladders on breadboard using shift registers and other digital IC's. Position at which LED glowed was the current position of the player. We also developed a random number generator which worked exactly as a dice for the same.
Guide : Professor Sachin Patkar

Technical Skills:

- Programming Languages : C/C++, HTML, SQL, Verilog, Matlab
- Operating Systems : Windows, Linux
- Software Skills : CUDA, Photoshop, MS Office

Elective Courses:

- Institute Elective : Astrophysics, Psychology
- Department Elective : Advanced Computing for Electrical, Electronic Design Lab *

Courses Undertaken:

Core	Breadth
Introduction to Electrical Systems Introduction to Electronics Network Theory Electronic Devices and Circuits (+ Lab) Analog Circuits (+ Lab) Digital Systems (+ Lab) Power Electronics (+ Lab) Signals and Systems Communication Systems Microprocessors (+ Lab) Communications Lab (Lab Course) Electromagnetic Waves Probability and Random Processes Control Systems (+ Lab) * Digital Signal Processing (+ Lab) * Digital Communications * Physics of MOS Transistors *	Maths : Vector Calculus Linear Algebra Differential Equations Complex Analysis Others : Electricity and Magnetism Engineering Drawing Workshop Practice Computer Programming and Utilization (+ Lab) Data Analysis and Interpretation (+ Lab)

(The courses marked * will be completed by the end of 6th semester in April 2012)

Organizational Skills:

- As Maintenance Secretary of Hostel-6, was responsible for the maintenance of entire hostel for the tenure of one year. Coordinated with two other secretaries for the same and handled the budget of 1,94,000 to cater the maintenance need of hostel.
- Awarded Hostel Organizational Special Mention which is awarded for excellent performance in terms of responsibility during the tenure. (2011)
- Awarded PAF Special Mention for active participation in PAF (2011)
- As a Coordinator, leading a group of 10 organizers, in Mood Indigo – 2010, successfully handled the Adventure Zone for Four days.

Extra Curricular Activities and Accolades:

- One amongst the Top 7 finalist who were selected for Inter IIT Chess Camp. (2009)
- Three times District Chess Champion and represented district in Four State Chess Championship Tournaments
- Completed BMC-Manali (Basic Mountaineering Course) (July-2010)
- Performed in group dances in AIDS-2010 and AIDS-2011 and PAF-2010 and member of group dance winning team in a dance competition among freshmen in Freshiza-2009 (AIDS - Annual Insync's Dance Show) and (PAF – Performing Arts Festival)
- Cadet of NSS (National Social Service) (2009-10)
- Captain of U-17 School Cricket Team (2005-06)
- Have an avid interest in Chess, Harmonica(Mouth Organ), Photography and Photo Editing.