



Om Patel
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: Computer Aided Design (CAD) & Automation

10D100002
UG Second Year
Male
DOB: 03/11/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.78
Intermediate/+2	CBSE	Central Academy	2010	91.00
Matriculation	ICSE	Eklavya	2008	91.30

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 534** in the **IIT-JEE-2010** taken by over 4.8 lakh students of the country.
- Secured **All India Rank 519** in **AIEEE-2010** taken by over 10 lakh students of the country.
- Secured **International Rank 144** in second stage of the **International Math Olympiad (IMO)** by SOF foundation conducted over 10 countries.
- Sailed through the first stage and secured **National Rank 123** in the second stage of **National Science Olympiad (NSO)** by SOF foundation in Asia.
- Secured **All India Rank of 173** in the **National Level Science Talent Search Examination-2010** conducted by the Unified Council with an **All India Rank of 44** in Mathematics section.

SUMMER EXPERIENCE

- Corrtech International Group** [Summer 2011]
 - Participated in a week long training program at the Plants and Offices of Corrtech International, a remarkable contributor to the **Gas turbine, Pipelines and Cathodic protection** businesses.
 - Visited their **Rotor shop and Turbine overhaul shop**, manufacturing rotors of gas turbines and repairing gas turbines with sizes ranging from frame 5 to frame 9 was done respectively.
 - Studied their Pipeline business which involves laying **gas pipelines** and manufacturing **gas skids** for major gas producers and distributors across India.
 - Gained a wider understanding of their **Cathodic Protection** business which involves production of pipelines and corrosion resistant storage tanks using electrochemical met.
- Rajkot – Industrial Visit** [Summer 2011]
 - Visit to the plants and offices of three different companies in Rajkot.
Jyoti CNC - A company manufacturing CNC and VMC machines
Atul Auto - A company manufacturing 3- wheelers
Deepak Diesels - A company assembling Mahindra & Mahindra tractors

TECHNICAL SKILLS

- Programming Languages: C,C++
- Software : MS Office
- Operating Systems: Linux, Windows

PROJECTS AND TECHNICAL ACCOMPLISHMENTS

Line Follower Competition

[Autumn 2010]

- **Secured 3rd place** in the Line Follower Competition
Compiled, Executed and Delivered an **Autonomous Robot** working on **Infrared Sensors**
This project involved programming the Arduino Microcontroller to make the robot follow the path detected by its sensors

Track Mania

[Autumn 2010]

- A Remote Control Car making competition
- Implemented an RF Circuit and constructed a Motor-Driver circuit for the same

Accounting and Finance

[Autumn 2011]

- Analyzed **IDFC Ltd's** Corporate Governance policies and Accounting Standards compliance for the MG 403 Accounting and Finance course and graded the company for the same

Chess

[Spring 2011]

- Developed a game as the C++ project with the use of FLTK graphic

INTERESTS

- Interested in Energy sector, specifically in consumption of renewable sources of energy and efficiency of the industries
- A strong desire to attain a better understanding of the automobile industry innovations and their applications.

RELEVANT COURSES TAKEN

- Engineering Mechanics
- Solid Mechanics
- Strength of Materials
- Manufacturing Processes
- Engineering Drawing
- Mechanical Workshop
- Thermodynamics
- Engineering Metallurgy
- Introduction to Electrical and Electrical circuits
- Data Analysis and Interpretation
- Accounting And Finance

EXTRA-CURRICULAR ACTIVITIES

- Sailed through Quarters of the under 19 age group at the **Open Gujarat Table Tennis Tournament**
- Learnt **Hindustani Classical Music** for over 7 years
- Secured third position in **Open Gujarat Skating** tournament