



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

**10D100002**  
**UG Third Year(Dual Degree )**  
**Male**  
**DOB: 03-11-1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.68
Intermediate/+2	CBSE	Central Academy	2010	91.00
Matriculation	ICSE	Eklavya School	2008	91.30

## ACADEMIC EXCELLENCE

### Olympiads

- International Rank **144** at **International Math Olympiad (IMO)** 2010 by SOF foundation
- All India Rank **173** in **National Level Science Talent Search Examination-2010** by the Unified Council with an All India Rank **44** in Mathematics
- National Rank **60** in **National Science Olympiad** by SOF foundation

### Engineering Entrance Tests

- All India Rank **534** in the **IIT-JEE-2010** among 0.5 million students in the country
- All India Rank **519** in the **AIEEE-2010** among a million students in the country

### Rewards and Recognition

- Recipient of Government of India Professional studies scholarship for exceptional performance in All India Engineering Entrance Exam 2010
- Recipient of Institute Merit-cum-Means Scholarship for consistent academic performance
- Secured AA grade in additional courses like Accounting & Finance, Quantitative methods for Economic Analysis

## WORK EXPERIENCE

### SGS Global Analytics – Stochastic modeling, Quantitative data analytics [Summer 2012]

- Developed a **stochastic model** from extensive transactional and demographic data
- Study and application of a number of statistical procedures including R-square, wilcoxon-rank and chebyshev statistics for validating the model
- Proof of Concept model based in **Statistical Analysis System (SAS)**
- Computer modeling and reporting for SQL Server database
- Business Impact Documentation for *Customer Lifetime Value calculation* for a leading anti-virus firm
- Market Basket Analysis and Monte-Carlo simulation in Statistical Analysis System (SAS)

### Kotak Mahindra Group – Wealth Management, Retail Liabilities Department [Summer 2011]

- Completion of project report on- **“Wealth Management: Rising story of India”** under supervision of Senior manager, Privy-league banking
- Identifying mediums of investments, perceived risk, present value of money & leverage in financial markets

## TECHNICAL PROJECTS

### “INTEGRATION OF PLM & ERP”

[Fall 2012]

-PROJECT GUIDE: PROFESSOR K.P. KARUNAKARAN

- Product Lifecycle Management & Enterprise Resource Planning: achieving balance in product development
- Research on how complementary technologies deliver the competitive edge

## TECHNICAL SKILLS

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- Programming Languages: C, C++, SQL(basic)
- Software: MS Office, MATLAB, Microsoft SQL Server 2008, SAS (Statistical Analysis System)
- Operating Systems: Linux, Windows

## TECHNICAL ACCOMPLISHMENTS

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- **Chess:** *[Spring 2011]*
  - Developed a multi-player chess game using FLTK graphics
  - Complete code in C++ language
- **Accounting:** *[Fall 2011]*
  - Analyzed Corporate governance policies and accounting standards compliance for a public listed company in Indian financial markets
- **Line Follower:** *[Fall 2010]*
  - Secured 3<sup>rd</sup> position at the annual line follower competition among freshman
  - Delivered an Autonomous Robot working on Infrared Sensors
- **Track Mania:** *[Fall 2010]*
  - Secured 3<sup>rd</sup> position at annual remote-controlled car competition among freshman
  - Implemented an RF circuit and constructed a motor-driven circuit

## ADDITIONAL INTERDISCIPLINARY COURSES

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- **Quantitative Methods for Economic Analysis** (Department of Humanities & Social Sciences)
- **Accounting & Finance** (School of Management, IIT Bombay)
- **Marketing Management** (School of Management, IIT Bombay)
- **Economics** (Department of Humanities & Social Sciences)
- **Computer Programming & Utilization** (Department of Computer Science)
- **Linear algebra, Differential Equations, Calculus, Numerical analysis** (Mathematics Department)

## POSITIONS OF RESPONSIBILITY

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- **Coordinator**- Corporate Relations, Entrepreneurship Cell, IIT Bombay
- **Organizer**- Pronites, Mood-Indigo, IIT Bombay

## EXTRA-CURRICULAR ACTIVITIES

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- **Entrepreneurship & Innovation:**
  - Attendee at **Harvard US-India Conference 2012**- Students from both nations join together to discuss and share social & economic issues
  - Frequent attendee at Sessions pitched at Entrepreneurship & Innovation
  - Pursuing **Minor in Management** offered by School of Management, IIT Bombay
  - **Junior Member**, ShARE Team at IIT Bombay. ShARE is an International student organization across all continents with students from top 3 prestigious universities from each country. Students share knowledge for development & Social progress
- **Music:**
  - Trained in Indian Classical Music for over 7 years
  - Won 2<sup>nd</sup> place at Goonj-2012, the intra IIT Bombay music band competition as a lead vocalist of hostel band
- **Sports:**
  - Represented Gujarat at national tournaments for Table Tennis (U-19) & Skating (U-12)
  - Played Badminton at regional level (U-16)