



John Joy
Mechanical Engineering
Indian Institute of Technology, Bombay

08010050
B.Tech.
Male
DOB: 13/06/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	9.75

EDUCATION & AWARDS

- Currently ranked **1st** in the **Department** out of 100 and **2nd** in the **Institute** out of 650 students
- Pursuing **Honors** (Industrial Engineering and Operations Research) and **Minor** (Computer Science)
- Received **4 AP grades** awarded for exceptional performance in Engineering Mechanics, Modern Physics, Economics and Data Structures & Algorithms
- **O.P. Jindal Engineering and Management Scholarship** awarded to meritorious students of leading Engineering and Management institutes of India (awarded to 1 IITB student per batch of 650)
- **Kishore Vaigyanik Protsahan Yojana (2006)** fellowship in Science stream awarded to 95 students in India, by the Department of Science and Technology, Govt. of India
- **National Talent Search Examination (2005)** scholarship awarded by the Govt. of India

PROFESSIONAL EXPERIENCE

- Developed and implemented pricing methodology for 5 classes of options
- Extensively researched a stochastic volatility model and **validated** two approximate solutions using Monte Carlo simulations
- Accuracy in pricing of 8 bps was achieved, as a result helping the senior management decide **the suitability of adoption** of the model across UBS AG
- Analyzed different manufacturing stages of Fiat Linea and Grande Punto
- Discovered and **corrected the root cause** of the issue of abnormal Tyre Wear and hence helped the company address customer complaints

UBS AG
Quantitative Analytics
Hong Kong S.A.R
May – July, 2011

Fiat India Limited
Corporate Quality
Pune, India
May – July, 2010

POSITIONS OF RESPONSIBILITY

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| Company Coordinator
Institute Placement Team
IIT Bombay 2011 – 2012 | <ul style="list-style-type: none"> - Working with a 25 member team responsible for maintaining industrial relations and campus recruitment of over 1,500 students - Ensured the campus visit of leading firms from the Core sector, by meticulous planning and relationship building process |
| Internship Coordinator
Practical Training Cell
2010 – 2011 | <ul style="list-style-type: none"> - Ensured 100% internship for Third Year students of Mech Dept - Identified and successfully invited over 40 companies and universities from India & abroad, to match requirements of students and institutes |
| Institute Teaching Assistant
IIT Bombay and MHRD
Autumn, 2010 | <ul style="list-style-type: none"> - Assisted in administration of CS 101 under Prof. D. B. Phatak - Mentored a batch of 12 students in learning computer programming, and managed the execution of a team coding project |

ACADEMIC PROJECTS

- **Contagious Diseases in India B. Tech Project, 2011 – Present**
Modelling the dynamics of infectious diseases in India using System Dynamics tools
Optimization to reduce the impact of diseases by allocation of resources, immunization and quarantining
- **Inner Pipe Climbing Mechanism (2011)** Designed an innovative inner pipe climbing mechanism working as a team of 4. Constructed a scaled prototype to climb 20 cm pipe length in 80 seconds
- **Institute Classroom Management (2010)** Proposed, as a team of two, a management strategy for effective utilization of the new Convention Centre and Classroom Complex at IIT Bombay

EXTRA-CURRICULAR ACTIVITIES

- **Indo German Winter Academy:** Represented IIT Bombay as a part of a 6 member delegation
Delivered a lecture on Micro-channel flows to Professors and students from India and Germany
- **Sports:** Led the Hostel Basketball team (2011) in the Inter Hostel Basketball Championships
Represented the hostel in Table Tennis General Championships (Bronze), 2009
- Secured **1st** position in MechA-Know quiz (2011) Radiance, Mechanical Engineering Department Festival
- Member of the Editorial Board & contributor to MEME, Mechanical Engineering Department Newsletter