YASH TAMBAWALA

Fourth Year, Energy Sciences and Engineering, IIT Bombay

EDUCATION

Year	Examination	Institution	Marks Obtained
2013	Fourth Year	IIT Bombay	8.92/10
2010	Class XII, HSC Board	Sathaye Junior College, Mumbai	89%
2008	Class X, ICSE Board	Chatrabhuj Narsee Memorial School, Mumbai	95.57%

Scholastic Achievements:

- Placed in the top 1% in the state round of the Indian Physics Olympiad and Indian Chemistry Olympiad
- Secured highest grade-AP in the course "Introduction to Renewable Energy Technologies", reserved for exceptional performance
- Minor in Electrical Engineering with excellent performance (9.75/10) in the four courses completed: Signals and Systems, Controls and Communications, Analog Electronics and Digital Electronics

WORK EXPERIENCE

University of Alberta — **Edmonton, Canada**
Summer Intern, Advanced Control System Laboratory — May'13 – July'13

- Modelled the performance of a lab scale wind turbine for Quanser Inc. using system identification techniques in MATLAB®
- Recommended methods for wind turbine performance enhancements and presented the findings in the UoA Research Symposium

Reliance Infrastructure Ltd. — **Mumbai**
Winter Intern, Electricity Division — Dec'13 – Jan'13

- Exposed to long-term & short term load forecasting for scheduling purpose, frequency-based settlement mechanism & ABT mechanism existent in the Indian electricity sector
- Acquired hands-on experience with the power purchase group in RInfra in both long-term power purchase via competitive bidding and short term through power markets or bilateral trading; Familiarized with standard Power Purchase Agreements(PPAs)

Applied Materials Inc. — **Mumbai**
Summer Intern, Advanced Technology Group — May'12 – July'12

- Evaluated various market entry strategies for nanotechnology medical ventures into India for Applied Ventures LLC, the venture capital arm of Applied Materials and presented the findings to the senior management
- Developed an application for automated crystalline volume fraction analysis of microcrystalline silicon using Raman Spectroscopy data in MATLAB® through nonlinear regression techniques

PROJECT

- **Energy and Rural Development Project for Thane & Raigad District**
  Under Prof. Priya Jadhav, CTARA, IIT Bombay
  - Analysed first-hand information from rural consumers in Maharashtra, both commercial and residential, about the linkages between energy usage and economic conditions
- **Renewable energy share in the electricity mix for the state of Maharashtra**
  Under Prof. Rangan Banerjee, DESE, IIT Bombay
  - Projection of Renewable Energy use by technology diffusion models to analyse the future of RPOs and other policy tools

POSITIONS OF RESPONSIBILITY

- **Editorial Board, Insight: Student Media Body of IIT-B** — April'12 – April'13
  - First-ever recipient of the **Institute Journalism Colour** for excellence in journalism at IIT-B; delivered more than 10 articles after working with close to 30 execution panel members and initiated critical reforms in the working of various student bodies
- **Institute Student Mentor** — July'13 – Ongoing
  - Chosen as one out of 80 senior students capable of guiding first year students under the aegis of the Student Mentorship Program, IIT Bombay
- **Cabinet Mentor, Institute Student Mentor Program** — Feb'14 – Ongoing

EXTRA CURRICULAR INTERESTS

- Won first prize in All-Mumbai Science Quiz organized by Nehru Science Centre, in which over 200 schools had participated in 2008
- Won third prize in All-India College Students Essay Competition, organised by IIT-B in 2010

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