

# ARPIT AGARWAL

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## EDUCATION

Year	Degree/ Certificate	Institute/ School, City	CPI/ %
2011-now	Energy Science and Engineering (B.Tech + M.Tech)	Indian Institute of Technology, Bombay	8.22
2011	CBSE, Class XII	Sudhir Memorial Institute, Kolkata	93%
2009	ICSE, Class X	St.Thomas' Church School, Howrah	94%

## SCHOLASTIC ACHIEVEMENTS

- Secured AIR 1285 in IITJEE '11 out of approx. 5 lakh students.
- Secured AIR 890 and State(WB) Rank 22 in AIEEE '11 out of approx. 13 lakh students.
- Scored 389 marks out of 450 marks in BITSAT '11.
- Secured State Rank 100 in WBJEE '11.
- Awarded High Distinction in Maths and Distinction in Science and Computer Skills in International Education Assessment for Indian Schools 2008 organised by University of New South Wales, Australia.
- Secured following City(Kolkata) ranks in TIME National Level Scholarship Test:  
Class 8 – 5<sup>th</sup> ; Class 9 - 3<sup>rd</sup>; Class 10 – 2<sup>nd</sup>
- Secured City Rank-2 and State Rank-125 in year '05; and City Rank-6 and State Rank-93 in year '07 in National Science Olympiad by Science Olympiad Foundation.
- Secured AIR-654 in NSTSE '08
- Secured AIR-607 in Unified Cyber Olympiad '07.

## INTERNSHIPS

### **Anthelion Technologies Pvt. Ltd., Kolkata**

*June - July 2012*

- Designed the storyboard of Graphic AVI of Tata Group (esp. Tata Tubes), mainly the creative segment related to group profile.
- Structured a 60 page master document containing all the necessary information related to the project and further filtered and re-structured it according to needs of the project and hence, guided animation artists to execute the same.
- Learnt the basics of Animation Softwares and made few short 3d animation videos.
- Learnt in detail about manufacturing processes and segment application of Steel Tubes.

## KEY PROJECTS

### **Energy Project: Pedal-powered water pump**

*January - April 2012*

- Made a working device of a pedal-powered water pump that could pump water at the rate of 12-15 litres per minute upto a height of 2 floors with working efficiency of 17%.
- Designed a schematic model of usage of this device in high rise buildings, urban and rural areas.

### **C++ Project: Brick Breaker Game**

*July - November 2011*

- Developed a C++ code for a multi-level brick-breaker game including menu interface and graphics.

### **Harnessing Waste Sound Energy– Design and Exploration Workshop '11**

*December 2011*

- Designed a prototype of a device to collect and harness electrical energy from waste sound.

- Learnt basic ideation, project management skills, teamwork, design and exploration skills.

## TECHNICAL ACTIVITIES

- Stood 1<sup>st</sup> in the Institute Autonomous Line-Follower Bot Making Competition in 2012.
- Stood 3<sup>rd</sup> in Box-Carrier Bot Making Competition (Qualifier for Robocon Team) in 2012.
- Finished in Top 10 in Institute RC Car Making Competition in Tech One 2011.
- Participated as nominated representative at “Innovate ON- India” Mobile Technology App making program on Microsoft platform organised by Microsoft.
- Awarded Distinction ‘A’ in “Are you game?” NIIT Quiz Olympiad 2004.

## POSITIONS OF RESPONSIBILITY

### Convener, Rang- The Fine Arts Club of IIT Bombay

*April 2012-present*

- Responsible for fostering Fine Arts culture and increase club participation and maintain the publicity sector, web outlook and smooth functioning of the group.
- Organised more than 10 art sessions/workshops with a turnout of more than 50 people.

### Chief Illustrator, Insight- The Student Media Body of IIT Bombay

*April 2011-present*

- Responsible for the humour and visual content of the Media Body.
- Made all the article illustrations of the print and web issue since the first issue of freshmen year.

### Assistant Contingent Leader of IIT Bombay for Malhar '12

*August 2012*

- Acted as the link between IIT Bombay and St. Xaviers' College Mumbai for all issues related to the Cultural Fest Malhar '12 like publicity, registrations, rules etc.

### Co-Ordinator, Commercial Segment, ET Vision 2035

*August 2012-present*

- Responsible for co-ordination between core team and public, and facilitate smooth functioning of group activities.
- Research and suggest ways to improve the commercial aspect of Energy Technology.

### Co-Ordinator of Competitions, Mood Indigo '12 IIT Bombay

*March 2012-present*

- Formed the Fine Arts Competitions Structure and overall organising of the events.
- Responsible for managing the ambience sector of the Competition Arena.

### Organiser of Competitions, Mood Indigo '11 IIT Bombay

*December 2011*

- Organised “Rapid Fine Arts” and “Dry Pastels” Competitions with participants more than 100.

### Organiser of Infrastructure and Technoholix, Techfest '12 IIT Bombay

*January 2012*

- Painted the Main Stage Wall single-handedly for Technoholix events viewed by more than 5000 people.
- Managed and Organised Tech-X Events attended by more than 5000 audience with my team.

## EXTRA-CURRICULAR ACTIVITIES

- Completed 6-year Senior Diploma in Fine Arts with Distinction from Nehru Childrens' Museum in year 2006.

- Launched a self-made artwork facebook page “Strokes on my Canvas”.
- Stood 1<sup>st</sup> in Institute Cartooning Competition in year 2011.
- Stood 2<sup>nd</sup> in “Once Upon A Painting” in Malhar 2012.
- Stood 2<sup>nd</sup> in Freshizza 2011 Face-Painting Competition.
- Got the “Special Mention Award” in Institute Fine Arts General Championship ‘11 as a freshman.
- Won Institute Cricket League Photography and Tagline Compi.
- Displayed 10 Artworks in KalaDarshan, The Annual Art Exhibition of IIT Bombay.
- Won numerous Art Competitions at School Level and in Colony Fests.
- Represented IIT Bombay in Mood Indigo ‘11, Chaos ‘12 and Malhar ‘12 as contingent entry.
- Qualified as Top 32 in Inter-IIT Camp trials ‘11.
- Represented School in Under-16 tournament in 2008-09.
- Stood 2<sup>nd</sup> in Freshmen Cricket General Championship ‘12.
- Stood 1<sup>st</sup> in Hostel Three Cricket League ‘12.
- Participated in Sophomore Productions, Freshmen Productions, Annual Productions, One Act Play (Freshiezza) and led the ambience department in TheatreFest IIT Bombay ‘11.
- Represented hostel in Hindi Debate General Championship.

## ECONOMIC VENTURE

### Paperboat Creatives

*March 2012 - present*

- Working as Content Creator in a start-up “Paperboat Creatives” which caters to essential creative aspects of society like T-Shirts, wall painting, design, gifts, advertisements, videos etc.

### Kota Diaries

*August 2012 - present*

- Working as graphic and visual content manager in a growing community “Kota Diaries” which aims to connect more than 3500+ students from Kota through memoirs etc. like t-shirts, accessories, competitions etc.

## COURSES

### CORE

Fundamentals of Energy Engineering, Digital Electronics\* (MINOR), Thermodynamics\*, Basic Electrical Engineering\*.

### NON-CORE

Calculus, Computer Programming C++, Economics, Data Analysis and Interpretation, Engineering Drawing, Electricity and Magnetism, Differential Equations, Matrices and Vector Spaces, Fundamental Chemistry, Psychology\*, Environmental Studies\*, Experimentation and Measurements Lab\*.

## SKILLS

### LANGUAGES

C++, Blue J, C, Basics of HTML and CSS.

### SOFTWARES

Adobe Photoshop, Illustrator, In Design, Lightroom

3Ds Max, Adobe Flash

Sony Vegas Pro, Adobe After Effects

MS Office