Academic Achievements and Scholarships

- Secured **All India Rank 1722** in JEE (Advanced)-2014 among 150,000 candidates
- Secured **All India Rank 1462** in JEE (Mains)-2014 among 13,00,000 candidates
- Achieved **State Rank 44** in Provisional Merit List-2014 issued by Directorate of Technical Education, Maharashtra
- Awarded **Maharashtra State Scholarship for Merit students** by Govt. of Maharashtra, 2014 for being in top 5(Mumbai region) in HSC-2014
- Secured the prestigious **KVPY** fellowship by Department of Science & Technology, Govt. of India, 2013
- Awarded Maharashtra Talent Search Examination Scholarship, 2012(State Rank 22)
- Pursuing minor in **Department of Electrical Engineering**

Projects Undertaken

- **DC to DC Convertor**| EN209- Course project   (July,15- Nov,15)
  -Integrated buck boost convertor to build step up and step down DC-DC convertor
  -Used Joule thief effect to light up a white LED from a "Dead" battery (1.5V)
  -Successfully presented the project to the instructor

- **Self-Charging Bot**|CS101-Course project   (Jan,15- Apr,15)
  -Worked in a team of 4 and modified FireBird V (ATMEGA 2560) to track the direction of maximum solar intensity for maximum charging efficiency
  -A stepper motor along with rotation of bot mapped the 3D space above the bot
  -A **5W, 12 V** solar panel was aligned accordingly to charge the bot itself

- **Piezoshoes**|EN110-Course project   (Jan,15- Apr,15)
  -Worked in team of 3 to harness energy from human walking through piezocrystals
  -Electrical energy obtained was used to charge an external battery of **1.5V**
  -Awarded **AA (10)** grade in the course in which the project contributed significantly

- **Utilization of Freelance Bikers**| ShARE, IIT-B project   (Aug,15- Present)
   Aim: To create a business model for freelance delivery bikers to generate revenue
  -Spearheaded a team of five and ideated the concept of motorcycle ambulance
  -Formulated business model canvas after rigorous data collection, surveys, trials
  -Invited as a delegate to attend the Share World Seminar, Switzerland in May, 16

- **Automatic Traffic Signal**| Institute Technical Summer Project   (May,15 – June,15)
  -Using Image-Processing through OpenCV, determined vehicle density in real time
  - The duration of traffic signal was set accordingly so as to minimize traffic jams
  -The project was successfully tested at Main Gate signal, IIT Bombay

Positions of Responsibility

- **Marketing Coordinator, Mood Indigo 2015**   (May,15-present)
  - Worked in a team of 15 in pursuing the marketing budget for Mood Indigo, 15
  - Conceptualized marketing activities and event integrations tailor-made for a brand
  - Managed Parle, HFH and Playstation on ground during the event
- **Junior Member, ShARE Global Student Think Tank**   (Aug,15-present)
  -Involved in organizing ShARE events and screenings
  - Successfully ideated a business model for a project undertaken by ShARE, IITB
- **Interview Coordinator, Placement Cell**   (1st Dec- 15th Dec)
  - Coordinated interviews of candidates for Accenture, Codenation and Oyo rooms

Course Undertaken

- **Core Courses:**

Completed	Currently being pursued*
-Energy Engineering Fundamentals -Basics of Electrical and Electronics -Thermodynamics and Energy Conversion -Mechanics of Materials -Economics and Environment	-Electrical Machines -Renewable Energy Technologies -Energy, Economics and Environment -Transport Phenomena -Material Science for Energy Applications

- **Mathematics:**
  Differential Equations, Linear Algebra, Integral Calculus, Data Analysis and Interpretation, Numerical Analysis*
- **Minor:**
  Digital Electronics, Electronic Devices and Circuits*
  (*indicates courses are being currently pursued, and will be completed in Nov, 2015)

Technical Skills

- Programming language: C++ including OpenCV library
- Softwares: AutoCAD, SolidWorks, Atmel Studio, MS Office
- Operating Systems: Windows, Ubuntu

Extra-curricular activities

- Completed the course of badminton offered by National Sports Organization(NSO)
- Fluent guitarist since two years