Summer Internship

- **Unveiling New Energy Harvesting Architectures Through Supercomputing:**

  (June 2011 – Present)

  Visited **KSA(King's Saudi Arabia)** to work under **Dr. Andrea Fratalocchi,**
  Professor of Electrical Engineering and Applied Mathematics Department Of **KAUST (King Abdullah University of Science And Technology), Saudi Arabia .**
    - Presently working in the super computing cluster **' RED DRAGON '** of **Primalight Group**.(A world wide research group founded by Dr.Andrea Fratalocchi).
    - Got a **mention in Primalight's website** for my simulation work for **a NANOCPP (NANOCPP**:A comprehensive parallel **FDTD** simulator**)** tutorial .
    - **Finite-difference time-domain (FDTD)** is one of the primary available computation electrodynamics modelling techniques .

- **Web Designer, Technium Labs(A web based start up by distinguished IIT Alumni** (*May2011*)
    - Learnt HTML, CSS and JAVASCRRIPT there.
    - Designing the homepage of the company website.

Position of Responsibilities

- **Marketing Co-Manager Of IIT Bombay Racing Team** *(July,2011-July,2012)*
    - On a 3 member core marketing team of IIT Bombay Racing.
    - Marketing for a total budget of 30 lakhs for designing, manufacturing & racing a F1 car at FSAE 2012 – Silverstone, UK & an ATV at Baja-SAE - Indore.
    - Working presently to generate marketing deals with 25 major companies.
- **Coordinator, Horizons, Mood Indigo 2010**
    - Managed a team of 30 organisers over the course of 4 days of Mood Indigo 2010 to ensure efficient execution of all the events of Horizons.
    - Was in charge of managing international artists and also conceptualized and executed several events like International Music Festival, street busking festival, and after night shows.
- **Coordinator, Public Relation , Entrepreneurship Cell**
    - Successfully conducted freshmen orientation , an interactive session with Gul Panag and Raghu Ram , and several workshops as a part of E-cell.
    - Was responsible for event publicity conceptualization and it's execution through out the year and as well as on the day of the the Entrepreneurship Summit 2011.

Academic Projects in IIT Bombay

- **Electronic thermometer:**
  (Electronics Course Project, Guide: Prof. Rajesh Gupta)   *(Jan 2011 – April 2011)*
  - Successfully built an **ELECTRONIC THERMOMETER** that tells the temperature and gives the output in a 7- segment display up to 1 decimal place.
- **Solar Mobile Charger:**
  (Course Project, Guide: Prof. Rangan Banarjee)   *(Jan 2010 – April 2010)*
  - Designed a **solar charger** which could charge all type of mobiles with much less manufacturing cost.
  - Proposed a plan to make charger portable by embedding it with various things like motorcycle, car or bag etc.
- **Mini UID Project:**
  (C++ course Project, Prof. Deepak Phatak)   *(July 2009 – Dec 2009)*
  - Designed software that could detect finger prints and generate a unique id for that person.
  - Used that software to mark the attendance of students.

- **Market analysis project :**
  (Economics course Project ,HS department,IIT Bombay)   *(Dec 2009)*
  - Analyzed market possibilities, limitation for a fixed product and prepared a report on that .

Work visits

- **Tata Power Plant, Trombay:** Visited plant and got a first-hand feel of the electricity generation process.
- **Water Distribution Network (IIT Bombay):** Analysed the water distribution system and proposed a plan which could reduce water wastage.
- **Electricity Distribution Network (IIT Bombay):** Analysed the electricity distribution network and submitted a report on load management.

Software Skills

- **Programming Languages:** C++(Basic), HTML, CSS, JavaScript (Mootools Framework)
- **Software Skills:** SCILAB, SEQUEL ,MEEP ,EMACS ,GEDIT ,MATLAB And LINUX platform.

Key Courses Undertaken

- Numerical Analysis
- Economics
- Power electronics and Machines
- Data Interpretation

Extra Curricular Activities

- Enthusiastically worked in Performing Arts Festival, 2011 as a part of Production Team .
- Completed a 1 year course in Football in NSO (National Sports Organization).
- Was the in creative group of the cricket based online game **Caught And Sold** made during the Cricket World Cup.