

# Vivek Oppula | 07EC1008

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## EDUCATION

Program	Institution	%/CGPA	Completion
B Tech in Electronics and Electrical Communications Eng.	Indian Institute of Technology Kharagpur	7.56	2011
XII	Narayana Jr. College	97.5%	2007
X	Don Bosco High School	90.83%	2005

## ACADEMIC ACHIEVEMENTS

- Secured **STATE 4th** rank in my XI class with 98.3% and **STATE 14th** in my XII class with 97.5%.
- Secured an All India Rank of **408** in **JEE** and **208** in **AIEEE**, and a recipient of CBSE-Merit scholarship from **CBSE** board.

## PROJECTS

- B.Tech Thesis Project-2010:** “Design and Simulation of Low-Noise Amplifier (LNA) for **Zigbee** using Advanced Design System(ADS)”.
  - Learned the software Advance Design System(ADS), the leading electronic design automation software for RF, microwave, and signal integrity applications and designed LNA with required specifications on ADS.

## INTERNSHIPS

- SUMMER INTERNSHIP-(May-July 2010):** “Non-contact relative displacement measurement using image analysis and Implementation on LeanXcam with Blackfin DSP”.  
... { Under Prof.Ubbo Ricklefs, University of Applied Sciences FH-Giessen Friedberg, Germany.}
  - Developed various algorithms to measure the displacement, velocity and direction of motion and rotation of the surface in relative motion with the uEye cam through Image Analysis.
  - Implemented these algorithms on a LeanXcam with Blackfin DSP using C on Linux platform.
- SUMMER INTERNSHIP-(May-June 2009):** “Development of a new Speaker-Recognition model aimed at differentiating between male and female voices” { Under Prof.G.Rama murthy, IIT HYDERABAD,INDIA}
  - Studied various methods and models related to Speaker-Recognition.
  - Worked on increasing the efficiency over existing techniques for determination of pitch i.e. pitch extraction.

## POSITIONS OF RESPONSIBILITY

- Currently a **Coordinator** of Technology Transfer Group (**TTG**), a student body organization, well known for its active part in research in IIT Kharagpur.
- Organizing Head of **IndAc’10** Hyderabad, a technological exposition acting as a bridge between Industry and Academia - successful in collaborative initiations with 2 companies namely Darwin Group and GVK Biosciences with the campus.
- Student Head of Technology Transfer Group during my 3<sup>rd</sup> year.

## EXTRA-CURRICULAR ACTIVITIES

- Member of the **Web-Team** Spring Fest-09, that handles all the coding and designing work related to the Spring Fest, the annual cultural fest of IIT Kharagpur, in my 2<sup>nd</sup> year.
- Designed the Website for TTG(Technology Transfer Group), the first of its kind website facilitating the interaction between inventors and prospective buyers in the country.
- Worked as a core-member of Technology and Data Security for a start-up Healthcube, that involves working with Django web-framework.
- Also coded various other websites for different events organized under TTG like IndAc, SRIC, TEDxIITKgp.