

**ACADEMIC QUALIFICATIONS:**

Examination	Year	University/School	Percentage/CGPA
B.Tech (Hons.) Electrical Engineering	2011	Indian institute of technology, Kharagpur.	7.95/10 (6 th sem)
Senior Secondary (12 th) (N.I.O.S)	2006	K.V.1, KOTA.	63 %
Class 10 th (AISSE)	2004	DAV Public school, Gaya.	85%

ACADEMIC DISTINCTIONS:

- **AIR 664** in the **IITJEE '07** examination, among nearly 250000 candidates.
- **AIR 168** in 6th National Science Olympiad, a percentile score of 98.33%, conducted by the SOF.
- **AIR 790** in NSTSE '04 (National Science Talent Search Examination), conducted by the Unified Council.
- **Certificate of merit** in the **Dayanand Scholarship Examination '03**,
- **Certificate of merit** in the **National Cyber Olympiad '02**.

PROJECTS:

SUMMER INTERNSHIP	DESEIN - INDURE GROUP OF COMPANIES	May- July '10
<ul style="list-style-type: none"> ▪ Designing of a 8MW Captive Thermal (Coal based) power plant. ▪ Calculations for cable sizing and designing of earth electrodes for safe conduct within the plant. ▪ Interfacing the main bus with internal loads and the major load (textile mill in my case). ▪ Familiarization with various aspects of a power plant including different electric machines and switchgears. 		

B.TECH PROJECT	School of Medical Science and Tech. IIT Kharagpur	July'10 – April'11
<ul style="list-style-type: none"> ▪ Separation of cancerous cell from normal biological cells by the application of Dielectrophoresis. ▪ Designing a MEMS micro-channel with optimum separation throughput for the above process. ▪ Use of Frequency Response for cell recognition and parameter determination. 		

Lab Projects	Department of Electrical Engineering, IIT Kharagpur	
<ul style="list-style-type: none"> ▪ Designing and Hardware Implementation of a Neural network (Hopfield Type), capable of recognizing maximum clique in a given graph set. (Jan – Mar '10) ▪ Designed and performed real time simulation of an Intelligent Li- ion battery charger with a specified rating. (July – Sept '10) ▪ Determination of Vehicle Routing System in open cast Mines and optimization of total operating cost using Genetic algorithm. (Sept – Nov '10) 		

EXTRA ACADEMIC ACTIVITIES:

- Member of inter-hall **Table Tennis** team of Azad Hall of Residence.
- Member of Hall **Maths Olympiad** Team.
- Member of **Fine Arts** team of Azad Hall of Residence.
- Member of KRAIG (Kharagpur Robotics and artificial intelligence group) during first two years of college.
- Member of GOLD winning dramatics team in 'open IIT **dramatics competition**' 08.
- Undertaken a course in NATIONAL CADET CORPS (NCC).
- Have been an active volunteer of the Environmental awareness program under **National Service Scheme**.

SKILLS:

CAD SOFTWARE	Pspice, Xilinx, COMSOL, MATLAB, MapleSIM, Autodesk Inventor, AUTOCAD, PSIM.
Programming Languages	C