SHREYAS SRIVASTAVA (07EC1016)

ACADEMIC QUALIFICATIONS

YEAR	EXAMINATION	BOARD/UNIVERSITY	%/CGPA
2011	B.Tech(E & ECE)	IIT KHARAGPUR	8.15/10
2006	CLASS-12	CBSE	88.4
2004	CLASS-10	CBSE	91

ACADEMIC DISTINCTIONS

- Among the **top 0.2 percent** of 300,000 students who appeared for the IIT JEE with *All India Rank 444.*
- Held an All India Rank 293(**top 0.05 percent**) in the AIEEE 2007 for which 600,000 students appeared.
- Received *AIEEE merit scholarship* 2007 for outstanding performance in AIEEE 2007

SUMMER INTERNSHIP AND ACADEMIC PROJECTS

NAME OF ORGANISATION/DURATION	PROJECT OUTLINE/ACHIEVEMENTS
Bharat Dynamics Limited(BDL), Hyderabad (May-July 2010)	• Digitization & miniaturization of guidance electronics unit of weapon system using mathematical modeling & PIC based microcontroller circuitry • Unifying and centralization of control unit through microcontroller based circuitry. • Programming the PIC18F4525 microcontroller to meet the stringent timing requirements with respect to command pulse. • Successful demonstration of the Unified PCB card on the test setup. Implemented circuit sent for manufacturing • Miniaturization of circuitry results in a *significant reduction in the missile weight* which translates into a major advantage on the battle turf.
University of Applied Sciences, Giessen Germany (May-July 2009)	• Development of Matlab based data processing software which had the capability of interfacing the complex data obtained from simulation software TCAD to easily processable useful data • Built features for 3-D and 2-D MOSFET data along with visual representation of data
Ongoing B.Tech Thesis Project Supervisor: Prof. M Chakrabarty	• SPT treatment to the Bit Serial Realization of the Sign-LMS based Adaptive Filter • Designing novel algorithms for bit-serial canonic SPT numbers to reduce hardware complexity. • Software Implementation of bit-serial adaptive filter based on bit-serial canonic SPT adder/multiplier

POSITION OF RESPONSIBILITY

1) Head , Space Technology Student's Society(spAts) IIT Kharagpur(*Founded in 2008*)
    - (a) Conducted and coordinated innovative and unique workshops in Kshitij (annual techno-management fest IIT Kharagpur) like iSputnik(2009) and Water-rocketry(2010)
    - (b) Interviewed over 300 students for the team selection.
    - (c) Helped in securing annual funding from ISRO.
    - (d) Helped in establishing spAts as one of the most promising and vibrant societies in IIT Kharagpur.
2) Member of the Decoration team in the Spring fest 2007 edition.

CO-CURRICULAR & EXTRA-CURRICULAR ACTIVITIES

1) Finalist in the GE Edison Challenge -2009 held at JFWTC GE Center. Only 18 teams from over the country selected for the finale.
    - a. Designed a nano-turbine to improve the efficiency of agricultural water pumps.
2) Developed "Facial expression Recognition system" using adaptive fuzzy neuro inference system , as course project in Soft-computing.