



ACADEMIC QUALIFICATIONS			
DEGREE/EXAMINATION	BOARD/UNIVERSITY	YEAR	CGPA/MARKS
Dual Degree (Mechanical Engineering)	IIT KHARAGPUR	2011	8.38/10
Higher Secondary School	ICSE (M.P. Birla Foundation HS School , Kolkata)	2006	95.5 %
Secondary School	ICSE (St. Vincent's Convent School, Balasore)	2004	96.4 %

ACADEMIC DISTINCTIONS			
<ul style="list-style-type: none"> Obtained a GRE score of 1520 (Quantitative Ability – 800; Verbal Ability -720) Presently ranked 9th in the Department of Mechanical Engineering among approximately 50 students Was awarded a Change of Department owing to my academic performance in the 1st year Secured the 1st position in my School and District in the ICSE Examination 2004 TSI Mathematics Olympiad – 2000-03: Ranked among the top hundred students in India for 4 consecutive years in Level I, Level II and Level III IFSE Global Mathematical Talent Search Examination: Ranked among the top fifty candidates participating from India in the years 2003 and 2001 Orissa Talent Search Examination: Was awarded the highest scholarship for being among the top ten candidates in the years 2003 and 1997 Uranium Science Olympiad: Secured 4th and 28th positions in Orissa in the years 2003 and 2002 respectively 			

COMPUTATIONAL AND MATHEMATICAL SKILLS	
Languages and Softwares	<ul style="list-style-type: none"> Proficient in C, C++ and MATLAB, and well-versed with Object Oriented Programming Simulation Softwares like Symbol Shakti, and Finite Element Softwares like ANSYS and FLUENT
Algorithms	<ul style="list-style-type: none"> Have done algorithm-based courses on Computer Software and Artificial Intelligence

ACADEMIC AND CO-CURRICULAR PROJECTS	
Formula SAE IIT Kharagpur (KART) 2008-present	<ul style="list-style-type: none"> Founding Member and Chassis Team head of the Formula SAE team of IIT Kharagpur The team was created under the aegis of the SRIC, IIT Kharagpur, and is an SRIC sponsored project We are dedicated to building and testing a prototype Formula1car. The prestigious Formula Student Competitions are held globally and attract participation from colleges the world over. The design of the car chassis and the body were finalized by the Chassis Team The chassis and body manufacturing was completed under the supervision of my team Secured the 9th position in the Cost Report Event in the Formula Student UK Competition 2010
B.Tech/M.Tech Project 2009-present	<ul style="list-style-type: none"> Worked on the Modeling of Natural Convection Induced fluid flows inside rectangular enclosures Studied enclosures of different aspect ratios, incorporated asymmetries in the flow, and developed computational codes, for determining the complex flow and temperature patterns inside the enclosure The model accurately simulates the behaviour of Double-paned windows which find enormous applications in HVAC and Green Technology

INDUSTRIAL TRAINING/ INTERNSHIPS	
OIL AND NATURAL GAS CORPORATION (ONGC), AGARTALA	
MAY-JUNE, 2009	
Initiatives and Responsibilities	<ul style="list-style-type: none"> Went as a member of the American Society of Mechanical Engineers, IIT Kharagpur Chapter Design of an exploratory gas well at the site ADAM-32, historically a very high pressure drilling site Collation of geological and technical data from on-shore drilling sites in Agartala, as part of my research
Achievements	<ul style="list-style-type: none"> Completed the design of the exploratory well ADAM-32, a ₹5 crore project, as part of a 3-member team Design received appreciation from the Head, Drilling Section The submitted Internship report was considered for the final Geo-Technical Order of the well The report was well accepted in the Department, and I was granted an EX grade for the Training Viva
INDIAN OIL CORPORATION LTD. (IOCL), HALDIA REFINERY	
MAY-JUNE, 2008	
Initiatives and Responsibilities	<ul style="list-style-type: none"> Worked with the Mechanical Maintenance Department of all sections of the refinery plant Maintaining records of all requirements and acquisitions in the ERP software called SAP Personally studied and worked on the Forced lubrication system of a damaged 4-cylinder Compressor
Achievements	<ul style="list-style-type: none"> Suggested and implemented modifications in the Lubrication system for a greater functional efficiency Mastered the ERP software, and efficiently handled the Central SAP system Developed a holistic understanding of the maintenance operations needed in an Oil Refinery The final Report presented was appreciated by the heads of all Sections

EXTRA-CURRICULAR ACTIVITIES	
NSO IIT KGP	<ul style="list-style-type: none"> Was selected as a part of the 20 member Aquatics team, and was part of it for sessions 06-07 and 07-08
Interhall Events	<ul style="list-style-type: none"> Was part of the Bengali Dramatics and Eastern Music team of the RK Hall of Residence
School Level	<ul style="list-style-type: none"> Was head of the Science and Mathematics Quiz team in School, and represented my school at all levels