	D-335, RP H IIT Kharagp West Benga Tel – (+91) S	ur,			
CAREER Objective	 To work in a world class hi-tech industry, where I can be developed in the field of computer science in association with the professional groups. To apply and upgrade my knowledge, skill to benchmark a performance level and professional growth in the firm. 				
Academic Background	 Currently(Jan, 2013) pursuing 4th year, B.tech + M.tech Dual degree (5 year) course at IIT Kharagpur in Computer Science Department. Current CGPA : 8.55. Boards: 				
	YEAR	EXAMINATION	CONDUCTING	SCHOOL	PERCENTAGE
	2007	10 th Board	Authority CBSE	Kendriya Vidyalaya	(%) 91.8
	2009	12 th Board	CBSE	DAV public School	90.8
	2009-14	IIT-JEE	JEE (Rank:639)	IIT Kharagpur	CGPA: 8.55/10
TECHNICAL SKILLS	 Operating Systems : Linux, Windows Programming Language : C, Java , Verilog(basics), Assembly language, HTML, CSS Scripting Language : Python ,HTML, Powershell Software skills : MS Visual Studio, NetBeans , MS Office, Xilinx, Flash CS3, Eclipse, Solidworks, SPIM, Auto-CAD. Parsing Tools: Flex, Bison, Yacc , ANTLR. Documentation : Latex, Smartdraw, Magicdraw UML. Database: SQL 				
INDUSTRIAL PROJECT AND RESEARCH	 Summer internship Microsoft-IDC, Hyderabad(May – June, 2012). TITLE: Test Rig trouble-shooter. Developed a Trouble-shooter for Test Rig health analysis which diagnose and fixes the problems in test rig involved in load testing. The diagnosis includes the checks for controller, Clients and Agents machine present in load testing. Summer Project(May- July,2011): TITLE: Localization and Navigation Using Semantics. Segmentation of arial image to identify landmarks. Simulated the available SLAM(Simultaneous localization and mapping) techniques to determine their position of arial vehicle whose control information (with noise) is given. Applied kalman and Gaussian filter to obtain the most likelihood map of the area. 				

	 BACHELOR'S THESIS PROJECT (March, 2012 – present):
	Guide: Prof. Rajib Mall, CSE , IIT Kharagpur.
	Objective:
	 The main objective is to implement better test cases based on the
	detection of infeasible path.
	 Detect the infeasible path based on some given patterns.
	 Suggest some new patterns to detect the infeasible path.
	 To remove the def-use pairs present along the infeasible path, and
	obtain a System dependency graph(SDG) of the resulting program.
	• To find the accurate program slices from the SDG obtained, which will
	be used to obtain better test cases.
TERM PROJECT	WATER BODY DEMARKATION:
(DURING	To Identify the area of water bodies using the satellite image data by
Semester)	applying the concepts of density slicing and maximum likelihood
	estimation and compare the result with the actual data.
	PROCESSOR WITH BASIC FUNCTIONS:
	• Done behavioural and structural encoding of a 32-bit processor with a
	certain set of instructions.
	 Developed the op-code format for the instruction set, identified the
	data path element and designed the data path along with the control
	 signals. COURSE AND GRADING MANAGEMENT SYSTEM:
	 Developed software to automate registration and grading of students
	for an institute.
	COMPILER FOR A PARTICULAR GRAMMAR:
	 Developed lexical -analyser both manually and using flex; parser both
	manually and using bison.
	• Written code to generate and optimize the 3-address code for a
	certain Grammar.
	IMPLEMENTED A RUDIMENTRY FILE SYSTEM:
	 This file system can perform create, read, write and copy on both files
	and folder.
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EXTRA	Worked with a NGO named GYWS, which aims toward the development of
CURRICULAR	the villages nearby IIT kharagpur. Its basic modes of developments are
ACTIVITIES	educating primary school students, and generating awareness among the
	rural people.
	Worked with NSS, for the development of rural areas. Our Team was responsible for repairing the underground number of a village named
	responsible for repairing the underground pump of a village named Rangamatia before summers.
	 Won school level prizes for sprints (100m, 200m) and long jump.