

SURENDRA VERMA | 10AE30018

Department of Aerospace Engineering

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ACADEMIC QUALIFICATION			
Institute / School	Degree / Certificate	CGPA / %	Completion
Indian Institute of Technology, Kharagpur	B.Tech & M.Tech (Dual Degree) in Aerospace Engineering	7.06/10 (till 10 th Semester)	2016
Kiddy's Corner School, Gwalior	Class XII (CBSE Board)	77.00%	2010
Kiddy's Corner School, Gwalior	Class X (CBSE Board)	75.00%	2008

PROJECTS AND WORK EXPERIENCE	
CARBUK	March'13
<ul style="list-style-type: none">Developed an online portal for taxi booking to various places through website and keeping record of all booking using PHP and MYSQL.	
Inventory Management Software	July'14-May'15
<ul style="list-style-type: none">Developed offline UI using PHP which allows lab in-charge to keep records of all issued items to studentsSystem provides modification of items data and user account.Established system is currently handling data of 400 students in Aero modelling Laboratory, Department of Aerospace, IIT Kharagpur.	
Library Management System	Jan'13-March'13
<ul style="list-style-type: none">Designed an online user interface using PHP allowing user to list issued/reserved/available in hall library.Designed a user interface using PHP and HTML for Librarian and General Secretary to give specific access in the system.Established system was used by 630 students in Radhakrishnan Halls of residence, IIT Kharagpur.	
Mess Monitoring System	Jan'13-March'13
<ul style="list-style-type: none">Developed Java Software using Swing which process and records inputs data through smart card.Engineered input device to read QR code data using cam and convert it to input format to the software.After successfully implementation, system able to save 2100000 INR/a.Created web based UI for students to access account information choosing and suggesting meal options.	
JUSTPING	July'14-May'15
<ul style="list-style-type: none">Started Whatsapp based fast-food service.Developed and maintained the website for pricing.In-charged to take care of operation service.	

ACADEMIC PROJECTS		
Master's Thesis Project		
IIT Kharagpur, India	Guide: Dr.Anup Ghosh	July'14-May'15
<ul style="list-style-type: none">Title: "Development of Flat shell element "Developed MATLAB program for flat shell element using superimposition of in plane and out plane effect.Analysed Standard Benchmarked problems using developed 4 noded quadrilateral Flat shell element.		
Bachelor's Thesis Project		
IIT Kharagpur, India	Guide: Prof.P.K.Datta	July'13-April'14
<ul style="list-style-type: none">Title: "Vibration and Stability Analysis of Aerospace Structure under Conservative load "Developed MATLAB program to find natural frequency and mode shapes of beams and plates and validate from standard results.Developed MATLAB program to find critical bucking load for beams and plates under different boundary conditions.		

POSITION OF RESPONSIBILITY	
Website Coordinator Department of Aerospace Engineering	April'13-Present
<ul style="list-style-type: none">Managed and guided a team comprising 3 members, while collaborating with Faculty members and respective Laboratory in charge, for development of official website of Department of Aerospace Engineering and various other service.	
Website Head RK Hall of Residence	Jan'13-Jan'15
<ul style="list-style-type: none">Managed and guided a team comprising 3, while collaborating with Council members, for development of the official website of RK Hall, first time in the RK hall history.Developed the website from scratch, planning the skeletal and subsequently adding people to the team.Created a Website to deliver activities and notice of hall to current boarders and alumni.Created an Alumni Portal to maintain a proper database of pass out boarders and maintain a proper relationship with alumni.	
Student Mess Auditor RK Hall of Residence	July'12-April'13
<ul style="list-style-type: none">Only post in the institute for student who get paid of amount Rs 15000/a.Manual checking of mess bills with tender book for any fraud detection in the mess bills.	
Vice-Captain of Illumination RK Hall of residence	July'12-Nov'13
<ul style="list-style-type: none">Successfully organized biggest event of hall required participation of 700 students.Managed and guided a team of 26 members, while collaborating with captains	

Sub Head of Annual Techno Management Fest		Jan'11-March'12
<ul style="list-style-type: none">Manage and maintain the administration of all reservation, cancellation and no shows accommodation for participants' coming for Kshitij India's largest techno management fest.		
COMPUTER SKILLS		
Language	C , C++(Proficient), Java (Familiar),Python (Basic), SQL (proficient)	
Tools and IDE	MATLAB (proficient), Latex(proficient), Lyx (proficient), MS-Office Code Blocks, Net Beans, Solid Works, ANSYS, NASTRAN, PATRAN,	
Web Development	HTML,HTML 5,CSS, CSS 3,PHP, MYSQL, Bootstrap , JavaScript(basic), JQuery(basic), Ajax(basic)	
Platforms	Windows, Linux	
EXTRA CURRICULAR ACTIVITIES		
Environmental	<ul style="list-style-type: none">Analysed the fishing scenario in Kashijora village under Rural Development Centre, IIT Kharagpur.Developed a model to increase fishing production for commercial level.	April'14
Technical	<ul style="list-style-type: none">Member of Product Design Team, Hardware Modelling Team.	
Dramatics	<ul style="list-style-type: none">Member of silver wining Dramatics Team.	
Other Interest	<ul style="list-style-type: none">Attended Summer Spiritual course in V.O.I.C.E	
Hobbies	<ul style="list-style-type: none">Cooking, Reading spiritual books	