SURENDRA VERMA|10AE30018

Social

Part of silver wining Dramatics Team.

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ACADEMIC QUALIFICATION		57		
Program		Institution	CGPA	Year
B. Tech and M. Tech in Aerospace Engineering		Indian institute of technology Kharagpur	6.98	2015
XII - AISSCE		Kiddy's Corner School , Gwalior (CBSE)	75%	2010
X – AISSE		Kiddy's Corner School, Gwalior (CBSE)	77%	2008
PROJECTS				
TruckHub.co.in	Real Time Geo-Lo	cation based website.		
(Jun 14 – Aug 14)	Designed and developed a website with inherent ability tracked specific mobile user in real time			
Inventory Management System	 Developed a website using PHP and MYSQL which allows lab in-charge to keep records of all issued items to students. Established system is currently handling data of 500 students in Aeromodelling laboratory, Department of 			
(June 2014)	 Aerospace, IIT Kharagpur. Developed Java software using Swings which processes and records input data through a smart card. 			
Mess Monitoring		device to read QR code data using cam and conve		
System	After successfully implementation , system able to save 2100000 INR/a			
(Febrary 2013)				
, , ,		nt: JAVA, Swings, PHP, HTML, CSS, Windows	0 1 1 100 111	5
Library Management	Designed an online user interface using PHP allowing user to list issued/reserved/available in hall library			
System	• Established system is currently used by 630 students in Radhakrishnan Halls of residence, IIT Kharagpur.			
(March 2013)	Work Environment : PHP, MYSQL ,Bootstrap			
Bezier extraction of	 Developed program to plot local and global extraction operator for 1-D and 2-D B-spline Developed MATLAB and C Program for Plane Stress problem of Quarter disc Annulus using Isogeometric Finite Element Analysis based on Bezier extraction of NURBS. 			
nurbs(May2014 -				
Present)				
B. Tech Project (July	 Developed MATLAB program to find natural frequency and mode shapes of beams and plates. 			
2013 – April 2014)	 Developed MATLAB program to find critical bucking load for beams and plates under boundary conditions. 			
	 Developed a MATALB code for finding critical failure loads of various composite laminates. 			
• Determination of center of Gravity of a wing from recorded data using MATLAB cod				
	Determination of	node displacement of a 2-D truss using MATLAB (CODE	
COMPUTER SKILLS	6/ (: : :) (: : 1	/5 '!' \ D		
Languages Tools and IDEs	C (proficient), C++, Java (Familiar), Python (Basic), SQL (proficient)			
Web Development	MATLAB (proficient), Latex(proficient), Code Blocks, Solid Works, ANSYs, Net Beans, MS-Office, NASTRAN HTML, CSS, PHP, MYSQL, Bootstrap, JavaScript(basic), JQuery(basic), Ajax(basic)			
Platforms	Windows, Linux			
POSITIONS OF RESPON				
Vice-Captain		nized biggest event of hall required participation of	of 700 students (IIII	2012 – Nov 2013)
llumination RK Hall		ded a team of 26 members, while collaborating w		2012 1404 2013)
Website Head		ded a team comprising 3, while collaborating with	•	development of
RK Hall	the official website of RK Hall, first time in the RK hall history. (Jan 20112 - Present)			
	 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.		
Mess Auditor		nstitute for student who get paid of amount Rs 150		l 2012 – Apr 2013)
RK Hall	Manual checking of mess bills with tender book for any fraud detection in the mess bills.			
Website Co-	Managed and guided a team comprising 2, while collaborating with Faculty members and respective			
coordinator	Laboratory in cha	rge, for development of official website of Departr		-
Dept. of Aerospace				Jul 2013 - Present)
Back End Developer	-	ine portal for taxi booking to various places though	gh website and keepin	g record of all
Carbuk.com	booking using PH	P and MYSQL.		(Mar 2012)
Sub Head	Manage and main	stain the administration of all recognition, cancella	ution and no chause as	(Mar 2013)
Kshitij	_	ntain the administration of all reservation, cancella	ition and no snows ac	commodation for
Kshitij participants' coming for India's largest techno management fest. EXTRA CURRICULAR ACTIVITIES				
Environmental		ing scenario in Kashijora village under Rural Develo	opment Centre IIT Kør).
		lel to increase fishing production for commercial le		(April 2014)
Technical		esign Team, Hardware Modelling Team.		(, (p) (1 2 0 1 ¬)
Sports		eam in Long Jump Event.		
Social		ng Dramatics Toam		