Pujun Bhatnagar

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336193 Georgia Tech Station Atlanta, GA 30332-1665 (678) 702-4576 pbhatnagar3@gatech.edu Non-US-Citizen (F-1 Visa)		
Objective	To secure an internship/full time job to enhance my technical & analytical skillset and contribute to the society.	3.6 201.5
Education	Georgia Institute of Technology, Atlanta, GA, USA Bachelor of Science in Computer Engineering with minor in Computer Science Graduating:	May 2015 Aug'11 - Present
	Major Specific GPA: 3.96/4.0 Overall GPA: 3.89/4.0 Summa Cum Laude (Expected)	Aug II - Fiesem
Study	Worcester College, Oxford University, UK	May'13 - Aug'13
Abroad	Georgia Tech Lorraine, Metz, France	Jan'13 – May'13
Experience		Aug'12 –Present
	 Taught advance Calculus and Linear Algebra to 37 students in Fall'13 & Spring'14 twice a week Basic single&multi variable Calculus in 4 dimensions to 33 students in Fall'12 twice a week 	Aug'12 –Dec'12
	• Conducted, supervised and graded weekly quizzes, 3 mid-terms & final for 200 students	Aug'12 – Present
	Software Engineering Intern on Core Engineering Team at Pandora Media	June'14 –Aug'14
	• Worked on Pandora for Artist pillar; Using data mining, machine learning and web development, helped in	
	improving Pandora's ads server and 'Tour Builder' program.	1 212 Dec212
	 MATHLAB Assistant at Centre for Academic Success at Georgia Tech Organized help sessions for Math & Physics. Performed 1-to-1 and group sessions for 7 students per week 	Aug'12 –Dec'12
	Technical Intern at Larsen and Toubro and New Delhi Power Limited, India	May'12 –Aug'12
	Worked with senior engineers to simulate & analyze power grid system of North Delhi.	14141/ 12 1140
	• Used data mining techniques in MATLAB, C++, to determine potential flaws in power stations and increased	
	efficiency of the network by 40%	
Research	Load Undanguaduata Dasaayah undan Dr. Jamas MaClallan ECE Dant for A samastars	Jan'12- Present
Nescai cii	 Lead Undergraduate Research under Dr. James McClellan, ECE Dept. for 4 semesters Improved Intelligent review using questions' cross-correlation, user stats and probability modeling 	Dec'13 –May'14
	• Redesigned the entire implementation increasing the effectiveness of system by 70%	Dec 15 11111, 1
	 Developed Intelligent review using data mining for students, increasing participation by 30% 	Aug'13 – Dec'13
	Concepts Creation & Refinement Team at Georgia Tech	Aug'12 – Dec'12
	• Redesigned question ranking system, increasing the online question search system efficiency by 53%	
	 Complete redesign and auto arrangement of concepts within the ITS system using 3 level integration Proposed Instructor Assignment Creation system and improved assignment efficiency by 29% 	Jan'12 – May'12
	Energy Security Team at Bharat Heavy Electricals Ltd, India	2010-2011
	• Worked with senior engineers to evaluate the feasibility of large scale usage of hydraulic energy for electricity	
	• Reported 5 changes to Bhakra Dam authorities to improve energy security by 21%	
Designts	Competials A Special Anamouted Deality Daving Uning OpenCV C C# MATI AD	Ion'14 Moy'14
Projects	 Connectied: A Spatial Augmented Reality Device using OpenCV C, C#, MATLAB Made of kinect, processor & projector, device did real time gesture recognition using HMM & vector modeling 	Jan'14 – May'14
	• It could scan the user interaction w/ environment, compute and display the results on any flat surface	
	Gameboy and Computer Game Agent Design with Artificial Intelligence in Python and C	Jan'12 - Present
	• Designing Pacman agents using A*, Dynamic Bayes Nets to be best ghost hunters and pacman agents	
	• 3- D games using mode-III, IV algorithms, constraint based search for meeting memory & hardware constraints	N 4 21 A
	Hand Writing and vehicle recognition using fully connected neural nets ALTERA Robot Self-Test (1024 lines of Assembly code)	May'14 Jan'13 – May'13
	Automated test for robot's hardware to help instructor and TAs repair and maintenance hardware	Jan 13 – wiay 15
	"Minesweeper Game solver", N-cache simulator in C and Assembly (107 lines of Assembly code)	Aug'13- Sept'13
	"Ninja Fight and Puzzle" game & "Paint Application with Animation" using Java	Nov'12-Dec'12
	"Dynamic Pattern Recognition" on ARM Processor using C++	Oct'12
	 Physical Modeling & Simulation 3-D N-Celestial System, Spring Projection Modeling using VPython to study physical & celestial phenomenon 	Jan'12-May'12
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Skills	Programming Skills: C, C++, Java, MATLAB, MIPS Architecture and Python. Novice in Visual Basic	
	Web & Database Management: HTML, JavaScript, CSS, LAMP (Linux Apache MySQL PHP), Postgress	
	Operating Systems & Software: Shell, Bash, CMD Scripting, Linux, Macintosh, ARM & Quartus	
	Languages: English (Fluent), Hindi (Native) and Sanskrit (Advanced Level)	
Leadership	Vice President – Technology, Enterprise to Empower (Student organization at Georgia Tech)	Aug'12 –Aug'13
-	'Director of Quiz' – Senior school cabinet	Apr'10 – Apr'11
= .	• Conducted state level Science quiz with 30 participating schools and organized weekly meeting of teachers	
Extra	Helped visually impaired professor, Dr. Anil Khurana, Delhi University, with his Research Thesis	
Curricular Activities	 Collected, analyzed data using Excel and SPSS and edited parts of his thesis Part time Science, Mathematics and Social Sciences teacher for visually impaired students 	
Activities	 Recorded NCERT books on CDs in English & Hindi; Volunteer for excursions 	
Areas of	Data structure & algorithms analysis/optimizations, machine learning, NLP, computer vision, artificial	
Interest	intelligence, Embedded systems & control automation, digital logic design, any software development	
Honors	 Faculty honors, Dean's List at Georgia Tech and seven year scholar, silver, gold, diamond medalist Active member of IEEE & Eta Kappa Nu, Tau Beta Pi ECE honors society at Georgia Tech 	
	• Gold medalist at International Informatics, International Mathematics & Zonal Informatics Olympiad	

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