

Ashar Ali

(404) 226- 1349 • ashar.ali@gatech.edu • <https://www.linkedin.com/in/ashar-ali> • www.asharali.in

EDUCATION	Georgia Institute of Technology , Atlanta, Georgia	Aug 2017 - Dec 2019
	M.S. in Electrical and Computer Engineering Coursework: Advanced DSP, Intro to Robotics and Automation, Linear Systems and Controls.	
	Indian Institute of Information Technology Allahabad , U.P., India	Jul 2012- Jul 2016
	B. Tech. in Electronics and Communication Engineering • CGPA: 8.65 / 10.00	
SKILLS	Languages- C, C++, Python and SQL. Technology- MATLAB, MS Visual Studio(OpenCV/OpenGL/Kinect), Qt, Teradata and Informatica. Key Interests- Machine Learning, Computer Vision and Data Science.	
EXPERIENCE	Intelligent Vision and Automation Laboratory , Georgia Institute of Technology	
	Advisor- Dr. Patricio Antonio Vela	Aug 2017-Dec 2017
	<ul style="list-style-type: none">Human Pose Estimation Techniques on range images for physiotherapy.Implementation of state of the art algorithms on Berkeley MHAD and comparison with new occluded data.	
	ZS Associates , New Delhi, India	Aug 2016-May 2017
	Business Technology Analyst	
	<ul style="list-style-type: none">ETL Development to warehouse sales data of a US Pharmaceutical client into organized data marts.Recognized with the 'Project Champions Award' 2016 for seamless contribution to the Commercial Analytics Hub.	
	Ecole Polytechnique Fédérale de Lausanne (EPFL) , Switzerland	Mar 2016-May 2016
	Bachelor's Theses at Systemic Modelling Lab (LAMS)	
	<ul style="list-style-type: none">Developed a fundamental block of an Image Manipulation Framework for analysis of Human body poses.Developed a Qt based GUI to create a database of human joint locations in static images.Implemented articulated structure algorithms for estimation of human body postures from static images.	
	Institute for Development and Research in Banking Technology , Hyderabad, India	
	Project Trainee	May 2015-Dec 2015
	<ul style="list-style-type: none">Devised an algorithm to extract rectangular pantograph region present in Indian bank cheques.	
PUBLICATION	A. Ali and R. Pal, "Detection and extraction of pantograph region from bank cheque images," in <i>IEEE International Conference on Signal Processing and Integrated Networks (SPIN)</i> , Noida, U.P. India, Feb 2016.	
ACADEMIC PROJECTS	Human Emotions: A Facial Expression Perspective	Jan 2015 - May 2015
	<ul style="list-style-type: none">Led a team of 5 to revamp an existing algorithm based on texture feature extraction, dimensionality reduction, and learning an SVM.Used a self-created image database along with a standard one from Cornell University and obtained industry standard accuracy.	
	Hexapod	Jan 2014 - May 2014
LEADERSHIP EXPERIENCE	<ul style="list-style-type: none">This robot consisting of a circular chassis and 18 servo – motors (3 in each limb) was programmed using Arduino MEGA 2560 to successfully implement insect locomotion.	
	Effervescence, IIIT Allahabad	Jan 2014 - Oct 2014
	<ul style="list-style-type: none">Successfully coordinated the management, marketing and publicity of the annual cultural festival Effervescence 2014 as the Overall Coordinator.	
	Undergrad Badminton	Jan 2014 - May 2014
	<ul style="list-style-type: none">Served as Vice-Captain of the college badminton team.	