

CONTACT INFORMATION	Website: https://mjasim.github.io/ Email: mjasim@cs.umass.edu
RESEARCH INTERESTS	Human Computer Interaction, Information Visualization, Digital Civics, Machine Learning, Computer Vision
EDUCATION	<ul style="list-style-type: none">• MS/PhD in Computer Science [2017 - Present] College of Information and Computer Science, University of Massachusetts Amherst• Master of Science in Computer Science and Engineering [2011 to 2013] Department of Computer Science of Engineering, University of Dhaka<ul style="list-style-type: none">○ CGPA 3.96 in a scale of 4.00○ Rank #2 among 22 students• Bachelor of Science in Computer Science and Engineering [2007 to 2011] Department of Computer Science of Engineering, University of Dhaka<ul style="list-style-type: none">○ CGPA 3.50 in a scale of 4.00○ Rank #7 among 45 students
PUBLICATIONS	<ul style="list-style-type: none">[1] A Real-Time Hand-Signs Segmentation and Classification System Using Fuzzy Rule Based RGB Model and Grid-Pattern Analysis, Muhammad Aminur Rahaman, Mahmood Jasim, Md. Haider Ali, Tao Zhang, Md. Hasanuzzaman, Frontiers of Computer Science, 2018, 12 (6): 1258-1260, 2018[2] A Real-Time Computer Vision-Based Static and Dynamic Hand Gesture Recognition System, Mahmood Jasim, Tao Zhang, Md Hasanuzzaman, International Journal of Image and Graphics, 2014, Volume 14, Issue 01n02, Pages 145006 [18 Pages][3] User Authentication from Mouse Movement Data Using SVM Classifier, Bashira Akter Anima, Mahmood Jasim, Khandaker Abir Rahman, Adam Rulapaugh, Md Hasanuzzaman, Cryptology and Network Security, 15th International Conference on, 2016, Pages: 692 – 700[4] Real-time Bengali and Chinese numeral signs recognition using contour matching, Muhammad Aminur Rahaman, Mahmood Jasim, Tao Zhang, Md Haider Ali, Md Hasanuzzaman, Robotics and Biomimetics (ROBIO), IEEE International Conference on, IEEE, 2015, Pages: 1215 – 1220[5] Computer vision based Bengali sign words recognition using contour analysis, Muhammad Aminur Rahaman, Mahmood Jasim, Md Haider Ali, Md Hasanuzzaman, Computer and Information Technology (ICCIT) 18th International Conference on, IEEE, 2015, Pages: 335 – 340[6] Sign language interpretation using linear discriminant analysis and local binary patterns, Mahmood Jasim, Md Hasanuzzaman, Informatics, Electronics & Vision (ICIEV), International Conference on, IEEE, 2014, Pages: 1 – 5[7] Real-time computer vision-based Bengali Sign Language recognition, Muhammad Aminur Rahaman, Mahmood Jasim, Md Haider Ali, Md Hasanuzzaman, Computer and Information Technology (ICCIT) 17th International Conference on, IEEE, 2014, Pages: 192 – 197[8] A novel hand gesture recognition method using Principal Directional Features, Mahmood Jasim, Tao Zhang, Md Hasanuzzaman, Robotics and Biomimetics (ROBIO), IEEE International Conference on, IEEE, 2013, Pages: 1264 – 1269
RESEARCH EXPERIENCE	<ul style="list-style-type: none">• Research Assistance, Digital Civics [2018 to Present] College of Information and Computer Sciences, University of Massachusetts Amherst<ul style="list-style-type: none">○ Opinion visualization (Paper in submission)○ Affect visualization○ Discussion summarization○ Discourse identification in online deliberation• Research Assistance, AHHA Lab [2017 to 2018] College of Information and Computer Sciences, University of Massachusetts Amherst<ul style="list-style-type: none">○ Handwriting recognition and reconstruction using wrist-worn sensor○ Long-term monitoring of knee joint angle for patients with osteoarthritis• Research Assistant, Robotics Group (RoboLab) [2014 to Present] Department of Computer Science of Engineering, University of Dhaka<ul style="list-style-type: none">○ Human Activity Recognition○ Human Computer Interaction○ Gesture Recognition (Object Manipulation)

	<ul style="list-style-type: none"> • Research Assistant, Computer Vision Group [2011 to 2013] Department of Computer Science of Engineering, University of Dhaka <ul style="list-style-type: none"> ○ Gesture Recognition (Hand and Body) ○ Human Computer Interaction ○ Face Recognition
WORK EXPERIENCE	<ul style="list-style-type: none"> • Graduate Student [2017 to Present] College of Information and Computer Sciences, University of Massachusetts Amherst • Teaching Assistant [2018 to Present] College of Information and Computer Sciences, University of Massachusetts Amherst <ul style="list-style-type: none"> ○ Foundations OF Data Science, Introduction to HCI • Lecturer (On leave) [2014 to Present] Department of Computer Science of Engineering, University of Dhaka <ul style="list-style-type: none"> ○ Operating Systems, Distributed Systems • Lecturer [2013 - 2014] Department of Computer Science of Engineering, University of Liberal Arts Bangladesh <ul style="list-style-type: none"> ○ Data Structures, Software Analysis and Design, Object Oriented Programming • Software Engineer [2011 - 2013] TigerIT Bangladesh Ltd. <ul style="list-style-type: none"> ○ Server-side programmer in C/C++ for Bolt Browser project ○ Researcher and programmer for Face Recognition project
PROJECT EXPERIENCE	<ul style="list-style-type: none"> • Website for Computer Science and Engineering, University of Dhaka [2015 to 2016] <ul style="list-style-type: none"> ○ Development and content generation ○ Module testing and UX design ○ cse.du.ac.bd • Dhaka University Accounting Information System [2014 to 2016] <ul style="list-style-type: none"> ○ Hardware and Software Requirement Analysis ○ Module and UX design
TECHNICAL SKILLS	<ul style="list-style-type: none"> • Programming Language: C/C++, C#, JavaScript, Python • Tools: OpenCV, Matlab, GitHub, Adobe Illustrator • Typesetting: L^AT_EX, Microsoft Office, Open Office
OTHER INTERESTS	<ul style="list-style-type: none"> • Programming Contests: Participated in intra department contests as a member of DU Phoenix • Organization: Performed as a member of organization and management team for Fresher's Reception, River Cruise and Study Tour in India, for the Department of Computer science and Engineering, University of Dhaka • Gaming: Two times Runner-up in inter university gaming tournament in FPS category
AWARDS	<ul style="list-style-type: none"> • Professor Victor Lesser Graduate Scholarship in Artificial Intelligence, University of Massachusetts Amherst [2018] • University Scholarship for result in Bachelor of Science Examination, University of Dhaka [2012] • National Education Board Scholarship in HSC Examination [2006] • National Education Board Scholarship in SSC Examination [2004]