

Abdus Salam Azad

CONTACT INFORMATION	Lecturer Department of Computer Science and Engineering Bangladesh University of Engineering and Technology Email: azadsalam2611@gmail.com , azadsalam@cse.buet.ac.bd Homepage: https://sites.google.com/view/azadsalam2611/home
RESEARCH INTERESTS	Machine Learning, Deep Learning, Computer Vision, Image Understanding, Natural Language Understanding, Information Retrieval, Memetic Algorithms
EDUCATION	October, 2014 - January, 2017: M. Sc. in Computer Science and Engineering Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh. CGPA: 4.00 March, 2009 - June, 2014: B. Sc. in Computer Science and Engineering Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh. CGPA: 3.95 (Ranked 3 rd in a class of 153 students)
PUBLICATIONS	Abdus Salam Azad , Md. Monirul Islam, and Saikat Chakroborty. A Heuristic Initialized Stochastic Memetic Algorithm for MDPVRP with Interdependent Depot Operations. IEEE Transactions on Cybernetics , January, 2017. Abdus Salam Azad , Md.Kamrul Hasan, M.Arif Imtiazur Rahman, Md.Mustafizur Rahman, and Nashid Shahriar. Exploring the behavior and changing trends of rainfall and temperature using statistical computing techniques. In Tanvir Islam, Prashant K. Srivastava, Manika Gupta, Xuan Zhu, and Saumitra Mukherjee, editors, Computational Intelligence Techniques in Earth and Environmental Sciences , pages 53-78. Springer Netherlands, 2014.
RESEARCH EXPERIENCE	Master's Thesis with Prof. Md. Monirul Islam on A Heuristic Initialized Stochastic Memetic Algorithm for MDPVRP with Interdependent Depot Operations Undergraduate Thesis with Prof. Md. Monirul Islam on Diversity Guided Unified Evolutionary Framework for Multi Depot Periodic Vehicle Routing Problem Winner, 1st Undergraduate Thesis Poster Presentation , 2014, CSE, BUET.
CURRENT PROJECTS	Multi objective learning to rank for citation recommendation A multi objective learning to rank algorithm for recommending the most relevant works from the literature given an abstract or, research idea as a query. Co-supervisor: Shubhra Kanti Karmaker Santu Supervisor: Prof. Mohammed Eunus Ali Machine Comprehension A graph-traversal based approach for machine comprehension, i.e., answering questions based on a given piece of text.

SELECTED UNDERGRAD & MASTER'S PROJECTS	Finding and Describing Images with Sentences In this study, we analyzed some of the state-of-the-art methods on searching images with sentence description and vice versa.
	Content Based Image Retrieval Implementation of a paper on content-based image retrieval with local-tetra patterns .
	Machine Learning & Pattern Recognition Projects Implementation of Decision Tree (ID3), K-Nearest Neighbor, and Naive Bayesian Classifiers, Artificial Neural Networks, Semi-supervised Learning, Ensemble Learning, and K-means & Bisecting K-means Clustering etc. Please visit my homepage for a complete list.
SCHOLARSHIPS AND AWARDS	Winner, 1st Undergraduate Thesis Poster Presentation , 2014, CSE, BUET. Winner, Android Application Development Contest, Samsung R&D, Bangladesh, 2013 Dean's Honor List, BUET University Merit Scholarship, BUET
	Language: C, C++, Java, Python Machine Learning Libraries: Scikit-learn, WEKA, Keras, Tensor Flow Other: R, MatLab, Prolog Development & Database: Android, Oracle, MySQL, CodeIgniter Hardware: ATmega32 - Atmel Corporation, Arduino
COMMUNITY SERVICES	Reviewer IEEE Transactions on Cybernetics Organizing Committee Member WALCOM 2015 , NSysS 2015 , 2016 , 2017 Founding Member Information and Communication Secretary September 2011 – November 2013 Engineering Students Association of Bangladesh (ESAB)
	EMPLOYMENT Lecturer August 2014 - Present Department of Computer Science and Engineering Bangladesh University of Engineering and Technology Courses Instructed: Artificial Intelligence, Machine Learning, and Microprocessor & Microcontrollers etc.
NON-ACADEMIC PROJECTS	As a faculty of the most renowned engineering university in Bangladesh, I have contributed towards different nationally important projects, e.g., Development of Interactive Digital Textbooks, Testing the Software Installed for Machine Readable Passports of 33 Regional Passport Offices, Bangladesh.