

Abdus Salam Azad

CONTACT INFORMATION	First-year Ph.D. student Department of Electrical Engineering and Computer Sciences University of California, Berkeley Phone: +1 510 6123450 Email: azadsalam@cs.berkeley.edu , azadsalam2611@gmail.com Homepage: https://sites.google.com/view/azadsalam2611/home	August 2018 - Present
WORK EXPERIENCE	Assistant Professor Department of Computer Science and Engineering Bangladesh University of Engineering and Technology	December 2017 - Present (On leave)
	Lecturer Department of Computer Science and Engineering Bangladesh University of Engineering and Technology	August 2014 - December, 2017
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: 4.00/4.00 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: 3.95/4.00 (Major CGPA: 3.996) 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. [Impact Factor: 8.803] 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	<p>Model Agnostic Explanations for Deep Learning Models We are exploring the application of the famous CEGIS loop from the program synthesis literature to provide model-agnostic explanations for deep learning models.</p>
SELECTED UNDERGRAD & MASTER'S PROJECTS	<p>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.</p> <p>Content Based Image Retrieval Implementation of a paper on content-based image retrieval with local-tetra patterns.</p> <p>Machine Learning & Pattern Recognition Projects Bangla Character Recognition using CNN, 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. Please visit my homepage for a complete list.</p>
SELECTED COURSE-WORK	Artificial Intelligence, Machine Learning, Pattern Recognition, Advanced Digital Image Processing, Data Mining, High Dimensional Data Management
LAB COURSES INSTRUCTED	<p>Artificial Intelligence (January-2016 and January-2015 Semester, 120 Students) Machine Learning (January-2015 and July-2015 Semester, 60 Students), Microprocessor and Microcontrollers (July-2017, January-2017, Jan-2016, and July-2015 Semesters, 120 Students), Software Development (July-2017 Semester, 120 Students), etc.</p> <p>I have also instructed an applied machine learning course for a group of 20 graduates from five different institutions of Bangladesh (October 2017 - January 2018).</p>
SCHOLARSHIPS, AWARDS, AND GRANTS	<p>Winner, 1st Undergraduate Thesis Poster Presentation, 2014, CSE, BUET.</p> <p>Travel Grant, NUS School of Computing Summer School, 2017, National University of Singapore</p> <p>Winner, Android Application Development Contest, Samsung R&D, Bangladesh, 2013</p> <p>Dean's Honor List, BUET</p> <p>University Merit Scholarship, BUET</p>
COMMUNITY SERVICES	<p>Reviewer IEEE Transactions on Cybernetics</p> <p>Founding Member Information and Communication Secretary September 2011 – November 2013 Engineering Students Association of Bangladesh (ESAB)</p> <p>Organizing Committee Member WALCOM 2015, NSysS 2015, 2016, 2017</p>