

## Abdus Salam Azad

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CONTACT INFORMATION	Lecturer Department of Computer Science and Engineering Bangladesh University of Engineering and Technology Email: <a href="mailto:azadsalam2611@gmail.com">azadsalam2611@gmail.com</a> , <a href="mailto:azadsalam@cse.buet.ac.bd">azadsalam@cse.buet.ac.bd</a> Homepage: <a href="https://sites.google.com/view/azadsalam2611/home">https://sites.google.com/view/azadsalam2611/home</a>
RESEARCH INTERESTS	Image Understanding, Natural Language Understanding, Information Retrieval, Machine Learning, Memetic Algorithms
EDUCATION	<b>October, 2014 - January, 2017: M. Sc. in Computer Science and Engineering</b> Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh. CGPA: 4.00  <b>March, 2009 - June, 2014: B. Sc. in Computer Science and Engineering</b> Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh. CGPA: 3.95 (Ranked 3 <sup>rd</sup> in a class of 153 students)
PUBLICATIONS	<b>Abdus Salam Azad</b> , Md. Monirul Islam, and Saikat Chakroborty. <b>A Heuristic Initialized Stochastic Memetic Algorithm for MDPVRP with Interdependent Depot Operations.</b> <a href="#">IEEE Transactions on Cybernetics</a> , January, 2017.  <b>Abdus Salam Azad</b> , Md.Kamrul Hasan, M.Arif Imtiazur Rahman, Md.Mustafizur Rahman, and Nashid Shahriar. <b>Exploring the behavior and changing trends of rainfall and temperature using statistical computing techniques.</b> In Tanvir Islam, Prashant K. Srivastava, Manika Gupta, Xuan Zhu, and Saumitra Mukherjee, editors, <i>Computational Intelligence Techniques in Earth and Environmental Sciences</i> , pages 53-78. Springer Netherlands, 2014.
RESEARCH EXPERIENCE	Master's Thesis with <a href="#">Prof. Md. Monirul Islam</a> on August 2014 - November 2015 <b>A Heuristic Initialized Stochastic Memetic Algorithm for MDPVRP with Interdependent Depot Operations</b>  Undergraduate Thesis with <a href="#">Prof. Md. Monirul Islam</a> on April 2013 - June 2014 <b>Diversity Guided Unified Evolutionary Framework for Multi Depot Periodic Vehicle Routing Problem</b> This work got the best poster-paper award in 1st undergraduate thesis poster presentation, 2014, BUET.
CURRENT PROJECTS	<b>Multi objective learning to rank for citation recommendation</b> August 2017 - Present Co-supervisor: <a href="#">Shubhra Kanti Karmaker Santu</a> Supervisor: <a href="#">Prof. Mohammed Eunus Ali</a>  <b>InnerEye: An Automated Tool for Detecting the Extent of Image Editing to Aid Credible Social Interactions</b> September 2017 - Present Supervisor: <a href="#">Prof. A. B. M. Alim Al Islam</a>

EMPLOYMENT	<p>Lecturer Department of Computer Science and Engineering Bangladesh University of Engineering and Technology <b>Courses Instructed:</b> Artificial Intelligence, Machine Learning Lab, and Microprocessor &amp; Microcontrollers etc.</p>	August 2014 - Present
COMMUNITY SERVICES	<p>Reviewer IEEE Transactions on Cybernetics</p> <p>Organizing Committee Member <a href="#">WALCOM 2015</a>, <a href="#">NSysS 2015</a>, <a href="#">2016</a>, <a href="#">2017</a></p> <p>Founding Member Information and Communication Secretary <a href="#">Engineering Students Association of Bangladesh (ESAB)</a></p>	September 2011 – November 2013
SCHOLARSHIPS AND AWARDS	<p>Best poster-paper award: 1st undergraduate thesis poster presentation, 2014, BUET.</p> <p>1st Prize in Android Application Development Contest arranged by Samsung, Bangladesh 2013</p> <p>Dean's Honor List, BUET</p> <p>University Merit Scholarship, BUET</p>	
SELECTED PROJECTS	<p><b>Finding and Describing Images with Sentences</b> In this study, we inspected some of the state-of-the-art methods on searching images with sentence description and vice versa.</p> <p><b>Content Based Image Retrieval</b> Implementation of a paper on content-based image retrieval with <a href="#">local-tetra patterns</a>.</p> <p><b>Machine Learning &amp; Pattern Recognition Projects</b> Implementation of Decision Tree (ID3), K-Nearest Neighbor, and Naive Bayesian Classifiers, Artificial Neural Networks, Semi-supervised Learning, Ensemble Learning, and K-means &amp; Bisecting K-means Clustering etc.</p> <p>Please visit my <a href="#">homepage</a> for a complete list.</p>	
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.	
COMPUTER SKILLS	<p>Language: C, C++, Java, Python</p> <p>Machine Learning Libraries: Scikit-learn, WEKA, Keras, Tensor Flow</p> <p>Other: R, MatLab, Prolog</p> <p>Development &amp; Database: Android, Oracle, MySQL</p> <p>Hardware: ATmega32 - Atmel Corporation, Arduino</p>	