This is Abdus Salam Azad, currently employed as a Lecturer in the [Department of CSE](https://cse.buet.ac.bd/) at Bangladesh University of Engineering and Technology (BUET). I have obtained my B.Sc. (July, 2014. *CGPA: 3.95)* and M.Sc. (January, 2017 *CGPA: 4*)) degrees from the same department.

My research interests broadly span the field of Machine Learning (ML). In my MSc Thesis I have worked on memetic algorithms. We proposed a stochastic approach for individual learning to maintain the balance between exploration and exploitation of the search space. Our experiments on a large combinatorial optimization problem (i.e., a complex variant of Vehicle Routing Problem) revealed significant improvements over the state-of-the-art methods. Our work has been accepted in the [IEEE Transactions on Cybernetics](http://ieeexplore.ieee.org/document/7835722/).

I have taken a number of ML related courses during my undergrad and masters, including Artificial Intelligence, Machine Learning, Pattern Recognition, Advanced Image Processing, and Data Mining. I have also participated in MOOCs on Machine Learning (Coursera) and Deep Learning (Udacity). In one of my Masters project, I surveyed the literature of bidirectional image-sentence search, searching images with sentence descriptions (and vice versa), and analyzed three of the state-of-the-art methods. It is through this project work, my inclination towards the field of natural language and image understanding started.

A brief overview of my profile is given below.

|  |  |
| --- | --- |
| Undergraduation | July, 2014. CGPA: 3.95. Class Position: 3rd |
| Masters | January, 2017 CGPA: 4 |
| Employment | Lecturer, Dept. of CSE, BUET |
|  |  |
| Selected Publication | **A. S. Azad**, M. M. Islam and S. Chakraborty, "A Heuristic Initialized Stochastic Memetic Algorithm for MDPVRP With Interdependent Depot Operations," in *IEEE Transactions on Cybernetics,* January, 2017 [URL](http://ieeexplore.ieee.org/document/7835722/) |
|  |  |
| Current Projects | Md. Saiful Islam, **Abdus Salam Azad**, [Shubhra Kanti Karmaker Santu](https://sites.google.com/site/kantishubhra006/), and [Mohammed Eunus Ali](https://sites.google.com/site/mohammedeunusali/), “Multi Objective Learning to rank for citation recommendation”, under preparation for SIGIR 2018  Saad Manzur, **Abdus Salam Azad**, Ajoy Das, [Syed Ishtiaque Ahmed](https://www.ishtiaque.net), and [A. B. M. Alim Al Islam](https://sites.google.com/site/abmalimalislam/home) “InnerEye: An Automated Tool for Detecting the Extent of Image Editing to Aid Credible Social Interactions”, under preparation for The Web Conference, 2018 |
|  |  |
| GRE | 324 (Q:168, V:156, AWA:4) |
| TOEFL | 113 (R:30, L:30, S:26, W:27) |