

OBJECTIVE	To obtain a career in Research and Development in Computer Science arena.		
EDUCATION	<b>Master of Science in Computer Science and Engineering</b> Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET), Dhaka. <i>Theory Courses Taken:</i> <ul style="list-style-type: none"><li>Bioinformatics Algorithms</li><li>Computational Biology</li><li>Advanced Algorithms</li><li>Meta-Heuristics</li><li>Graph Theory</li><li>Advanced Artificial Intelligence</li></ul> <b>Ongoing Thesis:</b> Semi-supervised Image Generation and Augmented Classification using Deep Convoluted Generative Adversarial Network. Under the supervision of <a href="#">Dr. Muhammad Abdullah Adnan</a> .	Ongoing	
	<b>Bachelor of Science in Computer Science and Engineering</b> Department of Computer Science and Engineering (CSE) Rajshahi University of Engineering and Technology (RUET), Rajshahi.	2016	
RESEARCH AREA	<ul style="list-style-type: none"><li>Machine Learning</li><li>Deep Learning</li><li>Computer Vision</li><li>Pattern Recognition</li></ul>		
RESEARCH INTEREST	<ul style="list-style-type: none"><li>Generative Adversarial Network</li><li>Virtual and Augmented Reality</li></ul>		
PUBLICATIONS (Most Recent First)	Razin, Md Jahidul Islam, Md Abdul Karim, M. F. Mridha, <b>S M Rafiuddin Rifat</b> , and Tahira Alam. " <a href="#">A Long Short-Term Memory (LSTM) Model for Business Sentiment Analysis Based on Recurrent Neural Network</a> ." <i>In Sustainable Communication Networks and Application</i> , pp. 1-15." Springer, Singapore, 2021.  <b>Rafiuddin, S. M.</b> . " <a href="#">Estimation of Phylogenetic Tree using Gene Sequencing Data</a> ." <i>Electrical Information and Communication Technology (EICT), 2019 4th International Conference on</i> . IEEE, 2019.		

Rafiuddin, S. M.. "Ranking of Bangla word graph using graph based ranking algorithms." *Electrical Information and Communication Technology (EICT), 2017 3rd International Conference on*. IEEE, 2017.

Mishu, Sadia Zaman, and S. M. Rafiuddin. "Performance analysis of supervised machine learning algorithms for text classification." *Computer and Information Technology (ICCIT), 2016 19th International Conference on*. IEEE, 2016.

## TECHNOLOGY SKILLS

**Programming Languages:** C, C++, Java, Python.

**Operating System:** Linux.

**Web Technologies:** HTML, CSS, JavaScript, PHP.

**Cloud Technologies:** Amazon AWS.

**Database Technologies:** Oracle, MySQL, PL/SQL.

**Technical Writing:** L<sup>A</sup>T<sub>E</sub>X

**Editing and Design:** Adobe Photoshop, Adobe Illustrator.

**Library/Framework:** OpenGL, NumPy, pandas, Matplotlib, NLTK, Scikit-learn, Tensorflow 2.0, PyTorch, Seaborn, LibVips.

**Simulator:** Matlab, Octave, Multisim, CISCO Packet Tracer, Unity, Blender.

## EXPERIENCE

### Lecturer

October 2018 - Present

Department of Computer Science and Engineering (CSE)

**University of Asia Pacific - UAP**

74/A Green Road, Farmgate, Dhaka 1215.

Website: [www.uap-bd.edu](http://www.uap-bd.edu)

- Take theory and lab classes of undergraduate Computer Science program.
- Make questions, evaluate answer scripts and prepare results.
- Supervision of undergraduate Computer Science projects.
- Coach of a Competitive Programming team at RUET IUPC - 2019.
- Active participation in Institutional Quality Assurance Cell (IQAC) workshops and Outcome Based Education (OBE).

### Lecturer

February 2017 - October 2018

Department of Computer Science and Engineering (CSE)

**Uttara University, Dhaka - 1230.**

Website: [www.uttarauniversity.edu.bd](http://www.uttarauniversity.edu.bd)

- Take theory and sessional classes of undergraduate CS discipline.
- Make questions, evaluate answer scripts and prepare results.
- Advising students, give guidelines, motivation and instructions in computer programming club and ACM ICPC and NCPC contests.

## COURSES TAUGHT AS LECTURER

### Theory Courses:

- Machine Learning (Spring 2020 UAP, Fall 2020 UAP)
- Pattern Recognition (Fall 2018, Spring 2019, Fall 2019 UAP)
- Design and Analysis of Algorithms (Fall 2018 UU, Fall 2020 UAP)
- Operating System Design (Summer 2018 UU)
- Discrete Mathematics (Fall 2017 UU)
- Programming Language and Application II (C++) (Fall 2017 UU)
- Mathematics for Computer Science (Spring 2021 UAP)

### Lab Courses:

- Computer Graphics Lab (Fall 2018, Spring 2019, Fall 2019, Spring 2020 UAP, Fall 2020 UAP)
- Pattern Recognition Lab (Fall 2018, Spring 2019, Fall 2019 UAP, Spring 2021 UAP)
- Compiler Design Lab (Fall 2020 UAP)
- Algorithms Lab (Fall 2019 UAP)
- Object Oriented Programming - II (Java) Lab (Spring 2021 UAP)

### MOOC COURSE CERTIFICATES

### ACADEMIC COURSES

#### [Machine Learning](#)

Stanford University, USA, course provided by Coursera

#### [Algorithms: Design and Analysis, Part 1](#)

Stanford University, USA, course provided by Coursera

#### [Understanding Research Methods](#)

University of London, course provided by Coursera

#### [Introduction to Mathematical Thinking](#)

Stanford University, course provided by Coursera

#### [Neural Networks and Deep Learning](#)

deeplearning.ai

#### [Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization](#)

deeplearning.ai

#### [Structuring Machine Learning Projects](#)

deeplearning.ai

### NON-ACADEMIC COURSES

#### [Cameras, Exposure, and Photography](#)

Michigan State University, USA, course provided by Coursera

#### [Camera Control](#)

Michigan State University, USA, course provided by Coursera

#### [Principles of Photo Composition and Digital Image Post-Production](#)

Michigan State University, USA, course provided by Coursera

### ONLINE PROFILES

- [LinkedIn](#)
- [twitter](#)
- [GitHub](#)
- [Goodreads](#)

<b>RESEARCH PROFILES</b>	<ul style="list-style-type: none"> <li>• <a href="#">Google Scholar</a></li> <li>• <a href="#">Semantic Scholar</a></li> <li>• <a href="#">ORCID</a></li> <li>• <a href="#">Scopus</a></li> </ul>	
<b>COMMUNITY SERVICE</b>	<p>National High School Programming Contest (NHSPC), Rajshahi. <i>Volunteer</i></p> <p>Divisional Mathematical Olympiad, Faridpur. <i>Math Olympiad Volunteer (MOVer)</i></p>	<p>2016</p> <p>2006</p>
<b>TRAINING EXPERIENCE</b>	<p><b>The role and responsibility and ethical principle of the university teachers.</b> <i>Conducted by the Institutional Quality Assurance Cell (IQAC), Uttara University, Bangladesh</i></p> <p><b>Improving Learning and Teaching Skills (ILTS)</b> <i>Conducted by University of Asia Pacific</i></p>	<p>February 24, 2018</p> <p>May 5, 2019</p>
<b>AWARDS</b>	<p>Honorable Mention in ICT Fest, IUT, Gazipur Islamic University of Technology, Gazipur</p> <p>Honorable Mention in National Collegiate Programming Contest (NCPC), DIU Daffodil International University (DIU)</p> <p>Champion in ICT Olympiad, CSE Fest, RUET Career Club, Rajshahi University of Engineering and Technology (RUET)</p>	<p>2014</p> <p>2014</p> <p>2012</p>
<b>REFERENCES</b>	<p><b><a href="#">Dr. Muhammad Abdullah Adnan</a></b> Email: <a href="mailto:adnan@cse.buet.ac.bd">adnan@cse.buet.ac.bd</a> Associate Professor Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET)</p> <p><b><a href="#">Bipro dip Pal</a></b> Email: <a href="mailto:bipro dip@cse.ruet.ac.bd">bipro dip@cse.ruet.ac.bd</a> Assistant Professor Department of Computer Science and Engineering (CSE) Rajshahi University of Engineering and Technology (RUET)</p>	