

S M Rafiuddin Rifat

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

Simulator: Matlab, Octave, Multisim, CISCO Packet Tracer, Unity Game Engine.

Operating System: Linux.

Web Technologies: HTML, CSS, JavaScript, PHP.

Database Technologies: Oracle, MySQL, PL/SQL.

Technical Writing: L^AT_EX

Library: OpenGL, NumPy, pandas, Matplotlib, NLTK, Scikit-learn, Tensorflow.

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

- Take theory and sessional classes of undergraduate Computer Science discipline.
- Make questions, evaluate answer scripts and prepare results.
- Supervision of undergraduate Computer Science projects.
- Coach of a Competitive Programming team at RUET IUPC - 2019.

Lecturer

February 2017 - October 2018

Department of Computer Science and Engineering (CSE)

Uttara University, Dhaka - 1230.

Website: 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

- Machine Learning (Spring 2020 UAP, Fall 2020 UAP)
- Computer Graphics Lab (Fall 2018, Spring 2019, Fall 2019, Spring 2020 UAP, Fall 2020 UAP)
- Pattern Recognition Theory and Lab (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)
- Compiler Design Lab (Fall 2020 UAP)
- Algorithms Lab (Fall 2019 UAP)

**MOOC
COURSE
CERTIFICATES**

ACADEMIC COURSES

[Machine Learning](#)

Stanford Univerity, USA, course provided by Coursera

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

Stanford Univerity, 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
ACCOUNTS**

- [LinkedIn](#)
- [GitHub](#)
- [Google Scholar](#)

**COMMUNITY
SERVICE**

National High School Programming Contest (NHSPC), Rajshahi.
Volunteer

2016

Divisional Mathematical Olympiad, Faridpur.
Math Olympiad Volunteer (MOver)

2006

**TRAINING
EXPERIENCE**

The role and responsibility and ethical principle of the university teachers.
Conducted by the Institutional Quality Assurance Cell (IQAC), Uttara University, Bangladesh
February 24, 2018

Improving Learning and Teaching Skills (ILTS)
Conducted by University of Asia Pacific

May 5, 2019

AWARDS

Honorable Mention in ICT Fest, IUT, Gazipur
Islamic University of Technology, Gazipur 2014

Honorable Mention in National Collegiate Programming Contest (NCPC), DIU
Daffodil International University (DIU) 2014

Champion in ICT Olympiad, CSE Fest, RUET
Career Club, Rajshahi University of Engineering and Technology (RUET) 2012

REFERENCES

Dr. Muhammad Abdullah Adnan

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Associate Professor

Department of Computer Science and Engineering (CSE)

Bangladesh University of Engineering and Technology (BUET)

Biprodip Pal

Email: *biprodip@cse.ruet.ac.bd*

Assistant Professor

Department of Computer Science and Engineering (CSE)

Rajshahi University of Engineering and Technology (RUET)