

RABIUL AWAL

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RESEARCH INTERESTS

NLP, Low-resource & Social NLP, Representation Learning (*transfer learning, meta-learning*), Efficiency in ML

EDUCATION

Master of Science | Computer Science

Jan 2021 –

University of Saskatchewan, Overall grade 88%

Saskatoon, Canada

Thesis topic: Transfer and Fast Adaptation for Multilingual Social Value Tasks *not fixed yet

Courses: Advanced Algorithms, Topics in Learning and Intelligent Systems, Special Topics: Machine Learning in Low-Resource Natural Language Processing Tasks

Bachelor of Science | Computer Science

May 2014 – Dec 2018

Noakhali Science and Technology University

Noakhali, Bangladesh

WORK EXPERIENCE

Research Intern

Mar 2022 -

MITACS Accelerate Program, Living Sky Technologies

Saskatoon, Canada

- Working on text summarization for scientific documents

Software Engineer

Jan 2019 – Dec 2020

Goava Sales Intelligence AB (*startup*)

Dhaka, Bangladesh

- Big data analytics, sales intelligence, entity extraction, large-scale crawling, structured data storing from web, serverless backend, feature development (API seving)

PEER-REVIEWED PAPERS

- AngryBERT: Joint Learning Target and Emotion for Hate Speech Detection, by **Md Rabiul AWAL**, Rui CAO, Roy Ka-Wei LEE and Sandra MITROVIC, *25th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'21)*, Delhi, India, 05/2021.
- I miss you babe: Analyzing Emotion Dynamics During COVID-19 Pandemic, by Hui Xian Lynnette NG, Roy Ka-Wei LEE and **Md Rabiul AWAL**, *4th Workshop on NLP and CSS (NLPCSS'20)*, Online, 11/2020.
- On Analyzing Annotation Consistency in Online Abusive Behavior Datasets, by **Md Rabiul AWAL**, Rui CAO, Roy Ka-Wei LEE and Sandra MITROVIC, *14th International Conference on Web and Social Media - Data Challenge (ICWSM-DC'20)*, Atlanta, Georgia, U.S, 06/2020.

PRE-PRINT & UNDER REVIEW

- On Analyzing Antisocial Behaviors Amid COVID-19 Pandemic, by **Md Rabiul AWAL**, Rui CAO, Sandra MITROVIC and Roy Ka-Wei LEE, *arxiv-2007.10712*.
- Model-Agnostic Meta-Learning for Multilingual Hate Speech Detection, by **Md Rabiul AWAL**, Eshaan TANWAR, Tanmay GARG, Roy Ka-Wei LEE and Tanmoy CHAKRABORTY under review KDD22

RESEARCH PROJECTS (IN PROGRESS)

Cross-domain Multilingual Rumor Detection

colab *sutd*

New dataset + source-post aware conversation modeling for early multilingual misinformation detection

Knowledge Augmented Implicit Hate Speech Detection

colab LCS2, IIIT-Delhi

Predict and explain coded hate speech with knowledge infusion

COURSE PROJECTS

- Efficient Multi-task Learning with Multilingual Pre-trained Sentence Encoders
- Domain Adaptation as a Problem of Bayesian Inference in Graphical Models
- Finding Relevant Points for Nearest Neighbor Classification

HONORS, AWARDS & MISC

- Talent Bursary at AMII AI Week (Edmonton, Canada) 2022
- Scholarship award for virtual registration at the MRL Workshop, EMNLP21 2021
- ICLR 2021 Registration - Financial Assistance Grant 2021
- Graduate Teaching Fellowship @UofS 2021
- 1st place at NSTU Intra University Programming Contest 2016
- 17th place at DIU ACM ICPC Dhaka Region World Finals Warmup 2016
- Honorable mention at ACM-ICPC Asia Dhaka Regional Contest 2016
- 1st place at CSTE Carnival Programming Contest NSTU 2015
- 3rd place at CoU Regional Programming Contest (CoURPC) 2015

TEACHING EXPERIENCE

Graduate Teaching Assistant

Jan 2021 –

Department of Computer Science, University of Saskatchewan

Saskatoon, Canada

- CMPT 317 Introduction to Artificial Intelligence (*Winter22*)
- CMPT 140.3 Introduction to Creative Computing (*Fall 21*)
- CMPT 280.3 Intermediate Data Structures and Algorithms (*Winter 21*)

Teaching Assistant

Jun 2017 – Jun 2018

Noakhali Science & Technology University

Noakhali, Bangladesh

- CSTE 3110 Microprocessor, Micro-controller and Interfacing Lab (*2017 & 2018 session*)
- Course material, lecture design, exam paper and lab test

LEADERSHIP & SERVICES

Volunteer: ICML21, EACL21, ICLR21, NAACL21

Reviewer: SIGKDD21

MSc Representative at Computer Science Graduate Council @UofS

2021–

Founder – NLP Dhaka

2021–

A grass-root initiatives for fostering ML/NLP research in Bangladesh

- Organizing crowd-source reading courses to support local students [Summer20](#), [Summer21](#)
- Help people to try collaborate on research projects
- New iterations is being continued, details on our [website](#)

President – CSTE Club @NSTU

2015 – 2018

Helped to grow a programming community of 150+ people, undergrad school

Noakhali, Bangladesh

SKILLS

ML/AI: Tensorflow, Pytorch, Keras

Bigdata: Hadoop, Nutch, Elasticsearch

Packages: Flask, (NumPy, SciPy, Matplotlib, Pandas)

Others: Git, AWS, Docker, Linux

Languages: C, C++, Python, Java, Javascript, MySQL