

Rabiul Awal

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EDUCATION

UNIVERSITY OF SASKATCHEWAN | M.Sc. IN COMPUTER SCIENCE

Research Interest: Low-resource NLP, Transfer Learning

Start Winter 2021 | Saskatoon, Canada

NOAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY | B.Sc. IN COMPUTER SCIENCE

Passed Dec 2018 | Noakhali, Bangladesh

EXPERIENCE

UNIVERSITY OF SASKATCHEWAN | TEACHING ASSISTANT

- CMPT 280.3: Intermediate Data Structures and Algorithms (Winter 2021)

GOAVA SALES INTELLIGENCE AB | SOFTWARE ENGINEER

Jan 2019 - Jan 2021 | Dhaka, Bangladesh

- R&D on improved data acquisition and structured pipelining. Structured storing of bigdata data in ElasticSearch / AWS for serving dashboard APIs.
- Feature development on a large scale information retrieval tool for collecting company web contacts, social and searchable web data using Hadoop Nutch.
- Built a rule based domain crawler from a given company name using BeautifulSoup and Scrapy.
- Built a person & designation collector from rule-based html tags on company contact page, ML classifier to extract designation and person information. This attributed to significant improvement on people contacts acquisition.
- Feature design, development, and refactoring serverless backend APIs using Python, Flask and AWS.

NOAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY | TEACHING ASSISTANT

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

TECHNICAL SKILLS

ML/AI: Tensorflow, Pytorch, Keras **Bigdata:** Hadoop, Nutch, Elasticsearch

Packages: Flask, BeautifulSoup, Scrapy **Others:** Git, AWS, Docker, Linux

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

PUBLICATION

1. "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. [PDF]
2. "On Analyzing Antisocial Behaviors Amid COVID-19 Pandemic", by Md Rabiul AWAL, Rui CAO, Sandra MITROVIC and Roy Ka-Wei LEE, arxiv-2007.10712. [PDF]
3. "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.
4. "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.

RESEARCH PROJECTS

1. Low-resource NLP and Meta-learning for Asian Languages
2. Multilingual Hate Speech Analysis against Asian Communities during COVID-19

ACHIEVEMENTS & MISC

- SUMMER SCHOOL OF MACHINE LEARNING AT SKOLTECH (SMILES) Aug 2020
- Machine Learning Summer School Indonesia Aug 2020
- 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
- Top 0.5%, in the Noakhali S&T University Entrance Exam. Ranked 33 among thousands participants 2014

SOCIETIES & INITIATIVE

- Designed and facilitated a machine learning course for a group of undergrad student from local region (ML101.1 Summer-20) [**Syllabus**] June 2020
- Served as president at departmental computing club. Helped to grow a community of 150+ people. 2015-18
- Workshop Trainer at CSTE Club Competitive Programming Chapter, NSTU [60+ participants] 2016-17
- Judge & Problemsetter at NSTU Intra CSTE Junior Programming Contest [30+ teams] 2017
- Mentor at GRACE HOPER Girls Programming Camp, AUW [60 participants] 2016
- Mentor at National High School Programming Contest 2015 (NHSPC) [nationwide participants] 2015

TALKS

- Choice of a Career on Becoming a Potential Computer Science Grad at Noakhali S&T University Oct 2019
- Introduction to Machine Learning at Noakhali S&T University Dec 2019
- Undergraduate Research and Opportunities at AI startups at Noakhali S&T University Jan 2020

WRITING

[HTTP://IAMRABIUL.INFO/](http://iamrabiul.info/) | SOCIETY, RESEARCH AND INTELLIGENCE

- Blogging on machine learning research from low resource perspective, social computing and software engineering.
- Data structures and algorithms tutorials for competitive programmers.