M SAIFUL BARI

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Ph.D. Student, Nanyang Technological University

`sbmaruf.github.io`

EDUCATION

Nanyang Technological University   *2018 - Present*
Doctor of Philosophy (Ph.D.)   CGPA: 4.63/5.0
Natural Language Processing
Computer Science and Engineering

Islamic University of Technology   *2012-2016*
Bachelor of Science (BSc.)   CGPA: 3.65/4.0
Computer Science and Engineering

SKILLS

Computer Languages	Python, C/C++
Tools & Library	Pytorch, Bash, Linux
Problem Solving	Deep Learning, Algorithms & Data Structure

HONORS & AWARDS

Scholarship   2012
OIC Scholarship for undergraduate study, Islamic University of Technology

Champion   2014
IUT Computer Programming Contest

Honorable Mention   2014
Human Expedition on Mars Timeline 2018

Champion   2015
IUT Computer Programming Contest

2nd/100 in Inter University Programming Contest   2016
Daffodill International University ACM ICPC world finals warmup contest 2016

6th/100+ in Inter University Programming Contest   2016
NSU Cybernauts National Programming Contest

PUBLICATION

1. M Saiful Bari, Tasnim Mohiuddin, and Shafiq Joty. Multimix: A robust data augmentation framework for cross-lingual nlp, preprint, 2020

2. Shafiq R. Joty Tasnim Mohiuddin, M. Saiful Bari. Lnmap: Departures from isomorphic assumption in bilingual lexicon induction through non-linear mapping in latent space. In *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing*, Virtual, November 2020

3. M Saiful Bari, Shafiq Joty, and Prathyusha Jwalapuram. Zero-Resource Cross-Lingual Named Entity Recognition. In *Proceedings of the 34th AAAI Conference on Artificial Intelligence*, AAAI '20, New York, USA, 2020. AAAI

4. Xiang Lin, Shafiq Joty, Prathyusha Jwalapuram, and M Saiful Bari. A Unified Linear-Time Framework for Sentence-Level Discourse Parsing. In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, ACL '19, Florence, Italy, 2019. ACL

5. M Saiful Bari. *Regression for Data Analytics*, chapter 2, pages 33–54. CRC Press, Boca Raton, September 2018. (in book: Data Analytics: Concepts, Techniques and Applications)

EXPERIENCE

Applied Scientist Intern
Amazon Web Service

Aug 2020 - Oct 2020

· Collaborated Amazon Lex team.
· Worked on Cross-lingual Few-shot Adaptation.

Research Assistant
Nanyang Technological University

Sep 2017 - Aug 2018

· Research on MT, NER and Adversarial Training.
· Maintain internal GPU servers
· Maintain group web-site

Software Engineering Intern
Aubichol IT Limited

Sep 2018 - Jan 2019

· Worked on an early startup where the key responsibility was to design the architecture of sports analytic and Translation System.

Lecturer
Southeast University

June 2017 - Sep 2017

· Teaching undergradute CS student. Subject tought: * Introduction to C * Algorithms

Software Engineering Intern
XeonBD

Nov 2015 - Dec 2015

· The course of the internship goes through Cloud Computing and kernel virtualization.

Competitive Programmer
Islamic University of Technology

Nov 2012 - Nov 2016

· Solved different kinds of algorithmic and data structure based problem. Solve problem through codeforces, topcoder, lightoj, uva, codechef, hackerrank, projecteuler, coci, usaco. Solved around **2000 problems** in various online judge.

Competitive Programming Trainer

June 2014 - Nov 2016

· Taught Competitive Programming in different Universities in Bangladesh.

- Islamic University of Technology
- Khulna University of Engineering and Technology
- East West University
- Dhaka University of Engineering and Technology

PROJECTS

⋆ Deep learning :: *Malay English Machine Translation System*
Details can be found here, https://sbmaruf.github.io/project/mt-system/

⋆ Deep learning :: *Named Entity Recognition System*
The details can be found here, https://github.com/sbmaruf/named-entity-recognition

⋆ Machine learning system :: *A CBIR System*
Details of the project can be found here, http://103.82.172.44:8080/xmlui/handle/123456789/93

⋆ Deep learning :: *Zero-Resource Cross-lingual Named Entity Recognition*
Details of the project can be found here, https://github.com/ntunlp/Zero-Shot-Cross-Lingual-NER