

M SAIFUL BARI

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Ph.D. Student, Nanyang Technological University

sbmaruf.github.io

EDUCATION

Nanyang Technological University

Doctor of Philosophy (Ph.D.)

Natural Language Processing

Computer Science and Engineering

2018 - Present

CGPA: 4.63/5.0

Islamic University of Technology

Bachelor of Science (BSc.)

Computer Science and Engineering

2012-2016

CGPA: 3.65/4.0

SKILLS

Computer Languages

Python, C/C++

Tools & Library

Pytorch, Bash, Linux

Problem Solving

Deep Learning, Algorithms & Data Structure

HONORS & AWARDS

Scholarship

OIC Scholarship for undergraduate study, Islamic University of Technology

2012

Champion

IUT Computer Programming Contest

2014

Honorable Mention

Human Expedition on Mars Timeline 2018

2014

Champion

IUT Computer Programming Contest

2015

2nd/100 in Inter University Programming Contest

Daffodill International University ACM ICPC world finals warmup contest 2016

2016

6th/100+ in Inter University Programming Contest

NSU Cybnauts National Programming Contest

2016

PUBLICATION

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

Aug 2020 - Oct 2020

Amazon Web Service

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

Research Assistant

Sep 2017 - Aug 2018

Nanyang Technological University

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

Software Engineering Intern

Sep 2018 - Jan 2019

Aubichol IT Limited

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

Lecturer

June 2017 - Sep 2017

Southeast University

- Teaching undergraduate CS student. Subject taught: * Introduction to C * Algorithms

Software Engineering Intern

Nov 2015 - Dec 2015

XeonBD

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

Competitive Programmer

Nov 2012 - Nov 2016

Islamic University of Technology

- 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>