

# RABIUL AWAL

✉ [awalrabiul6@gmail.com](mailto:awalrabiul6@gmail.com) | 🌐 [rabiul.me](http://rabiul.me) | [in rabiulawal](https://www.linkedin.com/in/rabiulawal) | [🐙 rabiulcste](https://github.com/rabiulcste) | [🐦 \\_rabiulawal](https://twitter.com/_rabiulawal)

## EDUCATION

<b>Master of Science   Computer Science</b> University of Saskatchewan (Overall grade 88%)	Jan 2021 – Saskatoon, Canada
<b>Bachelor of Science   Computer Science</b> Noakhali Science and Technology University	May 2014 – Dec 2018 Noakhali, Bangladesh

## WORK EXPERIENCE

<b>Machine Learning Intern</b> MITACS Accelerate Program, Living Sky Technologies	Mar 2022 - Saskatoon, Canada
<ul style="list-style-type: none"><li>Developed and researched DL-based scientific document summarization using Transformers in PyTorch.</li><li>Modified standard Transformers to support long input sequences, resulting in 8% increase in BLEU score.</li><li>Integrated domain adaptive models to better capture domain-specific summary.</li></ul>	
<b>Graduate Teaching Assistant</b> Computer Science, University of Saskatchewan	Jan 2021 – Saskatoon, Canada
<ul style="list-style-type: none"><li>Worked closely with students and conducted teaching responsibilities.</li><li>Courses: Data Structure and Algorithms, Python, and Introduction to Artificial Intelligence</li></ul>	
<b>Research Student</b> SocialAI.Studio Lab, Singapore University of Technology & Design	Jun 2020 - Singapore
<ul style="list-style-type: none"><li>Developed NLP &amp; DL models using LSTM, Transformers (BERT, T5, XLM-R) in HuggingFace and PyTorch.</li><li>Researched efficient transfer learning, domain adaptation and multi-task learning in multilingual LMs.</li><li>Led and collaborated on 5 research projects, published 3 papers at PAKDD21, EMNLP20 (NLP+CSS), ICWSM-DC21.</li></ul>	
<b>Software Engineer</b> Goava Sales Intelligence AB [Startup], Data Team	Jan 2019 – Dec 2020 Dhaka, Bangladesh
<ul style="list-style-type: none"><li>Worked on 10+ scalable microservices and REST APIs using Flask, API Gateway.</li><li>Contributed to Discover and Find Companies API, a core prospect generation product from 3M+ profiles.</li><li>Worked on refactoring data structures for indexing and searching big data using Elastic Search.</li><li>Worked on distributed crawler using Nutch and AWS EMR, Lambda, SQS to crawl thousands websites a day.</li><li>Worked on a rule-based URL finder for 1.5M company names using BeautifulSoup, Scrapy, and asyncio.</li><li>Implemented features in multi-source multi-layer data import pipeline, reducing 90% manual workload.</li><li>Implemented features in B2B sales workflow maintenance tool, 100% automated.</li><li>Advanced detection accuracy by upgrading the DL-based NER using Tensorflow and AWS SageMaker.</li></ul>	

## SKILLS

**Languages:** Python, C++  
**Database:** MySQL  
**AWS:** Sage Maker, Lambda, API Gateway, SQS, EMR, DynamoDB, EC2, S3  
**Framework:** Flask  
**Bigdata & ML:** Hadoop, Nutch, Elasticsearch, Pytorch, Tensorflow  
**Tools:** Git, Bash, Linux

## LEADERSHIP & AWARDS

• <b>Founder</b> – NLPDhaka, grass-root community for fostering ML in Bangladesh <a href="#">[website]</a>	2021–
• Graduate Teaching Fellowship @UofS, Canada	2021
• <b>President</b> – Computing Club @NSTU, Noakhali, Bangladesh	2015 – 2018
• 1st place at <i>NSTU Intra University Programming Contest, Dhaka, Bangladesh</i>	2016
• 3rd place at <i>CoU Regional Programming Contest (CoURPC), Comilla, Bangladesh</i>	2015