

# MD ZOBAER HOSSAIN

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## EDUCATION

- BS, Computer Science & Engineering, Shahjalal University of Science and Technology, 2020.

CGPA 3.53/4.00

## RESEARCH EXPERIENCE

### Shahjalal University of Science and Technology

Research Assistant

August 2019 to June 2020

- Project Title:** "Integrating Linguistic Knowledge into English-Bangla Neural Machine Translation"
- Evaluated the effect of Lexical Diversity and Sentence alignment of English-Bangla parallel corpus on Neural Machine Translation
- Expanded the current English-Bangla parallel corpus by building a tool that collects data from crowdsourcing

### Shahjalal University of Science and Technology

Research Assistant

July 2020 to present

- Project Title:** "A Comprehensive Integrated Platform for Bangla Language Processing"
- Designing & implementing a web-based computing system for Bangla
- Working on a survey on Bangla Natural Language Processing

## WORK EXPERIENCE

### Octaglory

Intern

October 2019 to March 2020

- Built an desktop application for Sales, Billing & Inventory Management using Java

## PUBLICATIONS

Hossain, M. Z., Rahman, M. A., Islam, M. S., & Kar, S. (2020). BanFakeNews: A Dataset for Detecting Fake News in Bangla. Proceedings of The 12th Language Resources and Evaluation Conference, 2862–2871. <https://www.aclweb.org/anthology/2020.lrec-1.349>

## RESEARCH PROJECTS

### Undergraduate Thesis

January 2019 to February 2020

- A research on Fake News in Bangla Language
- Developed a dataset from scratch consisting of  $\approx 50K$  news
- Evaluated different text classification model on this dataset to find a model to identify fake news

## ACTIVITIES & AWARDS

- Organizing Secretary at IEEE SUST Student Branch 2019-2020
- Chair at IEEE Computer Society SUST Student Branch Chapter 2019-2020
- Best Poster Award at 2nd International Conference on Bangla Speech and Language Processing 2019
- Participated in HULT Prize Regional Round, Mumbai 2019
- Awarded best project in Techfest, Shahjalal University of Science and Technology 2019
- Awarded Runner Up in Digital Khichuri Challenge organized by UNDP, Bangladesh 2019
- Awarded best team in HULT Prize On Campus Round 2018

## SKILLS

- Data Analytics:** Prior knowledge of statistical models and data visualization
- Algorithms:** Worked with Neural Network models like RNN, CNN, BERT
- Frameworks & Tools:** Experience on working with Pytorch, Scikit-learn, Pandas, Numpy
- Programming Skills:** A hand on experience in Python, Java, C, C++
- Problem Solving:** Solved 500+ problems from online judge platforms like UVA, Codeforces, Hackerrank