MD ZOBAER HOSSAIN

Sylhet, Bangladesh | +880-1704083339 | zobaer37@student.sust.edu | linkedin.com/in/rowan1697

SUMMARY

- Passionate about research in Natural Language Processing
- Experience in collaborative research projects
- Intermediary understanding of Data Analysis, Machine learning, and Natural Language Processing
- A self-motivated, problem-solving, and adaptive person with communication skills
- Interested about tackling social issues with the help of technologies like Machine Learning

EDUCATION

- BS, Computer Science & Engineering, Shahjalal University of Science and Technology, 2020.   CGPA 3.53/4.00

PROFESSIONAL EXPERIENCE

Shahjalal University of Science and Technology

Research Assistant   *August 2019 June 2020*

- **Project Title:** "Integrating Linguistic Knowledge into English-Bangla Neural Machine Translation"
- Worked with an undergraduate student group on a project to review all available corpora in Bangla for machine translation
- Working on setting up a systematic approach to better understand the performance of Machine-based translation with compare to humans

Shahjalal University of Science and Technology

Research Assistant   *July 2020 to present*

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

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

PROJECTS

Shahjalal University of Science and Technology

Undergraduate Thesis   *January 2019 to February 2020*

- 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
- This thesis led to one conference publication on LREC 2020 and one best poster award in 2nd International Conference on Bangla Speech and Language Processing

SKILLS

- **Data Analytics:** Prior knowledge of statistical models and data visualization
- **Algorithms:** Worked with Neural Network models like RNN, CNN, BERT
- **Dataset Preparation:** Ability to prepare a standard dataset from scratch
- **Frameworks & Libraries:** 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
- **Languages:** English: professional proficiency, Bangla: native

AWARDS

- Best Poster Award at 2nd International Conference on Bangla Speech and Language Processing
- Participated in HULT Prize 2019 Regional Round, Mumbai
- Awarded best project in Techfest, 2019 hosted by Shahjalal University of Science and Technology
- Awarded best team in HULT Prize On Campus Round, 2018