Tahsin Tasnia Khan

Google Scholar | LinkedIn | Github

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Academic Credentials

Bachelor of Science (BSc.) in Electrical & Computer Engineering (ECE)   *CGPA: 3.45/4.00 (3.60 in last 60 credits)*

Rajshahi University of Engineering & Technology (RUET),   January, 2017- October, 2022

Rajshahi, Bangladesh.

Research Experience

Undergraduate Thesis   October, 2021- October, 2022

Rajshahi University of Engineering & Technology (RUET)

"*Multi label Classification Using Problem Transformation Method on Kidney Disease Dataset: A Comparative Analysis*"

Publications

- **T.T. Khan,** A. Hassan, F. Ahamed, S. Islam, *"Multi-label Bengali Abusive Comments Classification using Problem Transformation Method"*. This research focuses on negative sentiment classification on a Bengali sentence where one sentence contains one or more than one sentiments (toxic, threat, obscene, Racism, Insult etc.) (*Accepted in the 20th International Conference on Electrical Engineering, Computer Science and Automatic Control CCE2023 on October 25-26,2023 in Mexico*)   (First Author)

- A. Sultana, **T. T. Khan** and T. Hossain, "*Comparison of Four Transfer Learning and Hybrid CNN Models on Three Types of Lung Cancer*," 2021 5th International Conference on Electrical Information and Communication Technology (EICT), Khulna, Bangladesh, 2021, pp. 1-6, doi: 10.1109/EICT54103.2021.9733614.

- O. Sarkar, M. F. Ahamed, **T. T. Khan**, M. K. Ghosh and M. R. Islam, "*An Experimental Framework of Bangla Text Classification for Analyzing Sentiment Applying CNN & BiLSTM*," *2021 2nd International Conference for Emerging Technology (INCET)*, Belagavi, India, 2021, pp. 1-6, doi: 10.1109/INCET51464.2021.9456393.

Professional Experience

Full Time   **October 2022- Present**

Junior Software Developer, Samadhan Solution PTY LTD, 299 New Elephant Rd, Dhaka 1205, Bangladesh
- My responsibility is to design the algorithm, develop and manage backend of a website with PHP Language. My prime focus is to find and implement the efficient logic to minimize the complexity as well as run time.

Part Time   **April 2022- September 2022**

Samadhan Solution PTY LTD
- Had different research works to help in building different website projects. Experienced team works and production level project managements in a software company.

Technical Skills

Engineering software: Matlab(Basic), Cisco packet tracer(Basic)

Programming software: Codeblocks, PhpStorm, Visual Studio Code

Programming Language and Syntax: C, C++, Python, PHP, JavaScript, HTML, SCSS

Extra-curricular activities, awards and achievements

Participations

- Poster Presentation: Poster Presentation Competition at IEEE R10 HTC 2017 Women in Engineering (WIE) Track organized by BUET (December, 2017)
- Line following Robot Competition: Participated Line follower robot competition in Technovation 2018 held at North South University (February 2018)
- Poster presentation Competition organized by IEEE Computer Society Ruet Student Branch

Volunteering experience

- Volunteer: Participated as an event volunteer at Technocracy 2018 and 2019 held at RUET.
- Volunteer at IEEE Student Chapter, Rajshahi (January, 2018- December, 2022)

Awards

- Best Ambassador Award by IEEE Computer Society Bangladesh Chapter Summer Symposium 2021.
- Excellent Research Award by Department of Electrical & Computer Engineering, Rajshahi University of Engineering & Technology

Accomplished Training and Workshop

Industrial Attachment on Software Development (Duration: 1 month)

Monstarlab Bangladesh, Dhaka

Coursera Courses

- Machine Learning Foundations: A Case Study Approach   August, 2020
- Image Classification with CNNs using Keras   June, 2020
- RESTful API with HTTP and JavaScript   September, 2020

References

Fazlur Rahman Khan

Director & COO (Australia Branch)

Samadhan Solution PTY LTD

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Md. Habibur Rahman

Assistant Professor

Department of Electrical & Computer Engineering

Rajshahi University of Engineering & Technology

habibruet1@gmail.com