

# Tahsin Tasnia Khan

Website | Google Scholar | LinkedIn | Github

E-mail: tahsintasnia602@gmail.com | Phone: +880-1703258553 | Address: Dhaka, Bangladesh

## 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, M. F. Ahamed and S. Islam, *“Multi-label Bengali Abusive Comments Classification using Problem Transformation Method,”* 2023 20th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE), Mexico City, Mexico, 2023, pp. 1-6, doi: 10.1109/CCE60043.2023.10332847.
- 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)
- 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

---

### Md. Habibur Rahman

Assistant Professor

Dept. of Electrical & Computer Engineering

Rajshahi University of Engineering & Technology

PhD Research Scholar, ECE (ongoing)

The University of Alberta, Canada

mdhabibu@ualberta.ca

### Md. Robiul Islam

Assistant Professor

Dept. of Electrical and Computer Engineering (ECE)

Rajshahi University of Engineering and Technology

robiul@ece.ruet.ac.bd

### Sagor Chandro Bakchy

Department Head and Assistant Professor

Dept. of Electrical and Computer Engineering (ECE)

Rajshahi University of Engineering and Technology

sagorchandro.10@ece.ruet.ac.bd

### Fazlur Rahman Khan

Director & COO (Australia Branch)

Samadhan Solution PTY LTD

fazlur.khan34@gmail.com