

FARIHA TABASSUM ISLAM

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EDUCATION

JUNE 2021

Master of Science

Computer Science and Engineering, Bangladesh University of Engineering and Technology (BUET)

CGPA: 3.92 out of 4.00

Advisor: [Dr. Tanzima Hashem](#)

Thesis: [A Privacy-enhanced Approach for Planning Safe Routes with Crowdsourced Data and Computation](#)

OCTOBER 2018

Bachelor of Science

Computer Science and Engineering, Bangladesh University of Engineering and Technology (BUET)

CGPA: 3.89 out of 4.00

Advisor: [Dr. Tanzima Hashem](#)

Thesis: [An Efficient Approach for Real-Time Crowdsourced Package Delivery using Public Transport Networks](#)

FELLOWSHIP

High Profile ICT Scholar Fellowship, 2018-19: A Crowd-enabled Solution for Personalized, Privacy-enhanced and Trustworthy Safe Route Planning in Road Networks

PUBLICATIONS

A Privacy-Enhanced and Personalized Safe Route Planner with Crowdsourced Data and Computation

[Fariha Tabassum Islam](#), [Tanzima Hashem](#), [Rifat Shahriyar](#)

ICDE 2021, Core Rank A* | DOI [10.1109/ICDE51399.2021.00027](https://doi.org/10.1109/ICDE51399.2021.00027)

A Crowd-enabled Solution for Privacy-preserving and Personalized Safe Route Planning for Fixed or Flexible Destinations (Full Version)

[Fariha Tabassum Islam](#), [Tanzima Hashem](#), [Rifat Shahriyar](#)

arXiv | [arXiv:2112.13760](https://arxiv.org/abs/2112.13760)

EXPERIENCE

FEBRUARY 2019 – PRESENT

Lecturer, Dept. of Computer Science and Engineering, United International University (UIU), Dhaka, Bangladesh

JANUARY 2022 – JUNE 2022

Part-time Research Assistant, Dept. of Computer Science and Engineering, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

JUNE 2019 – JUNE 2020

High Profile ICT Scholar Fellow, ICT Division, Bangladesh

AWARDS AND SERVICES

REVIEWER

WISE 2022, WISE 2021, NSysS 2020, APWeb-WAIM 2019

AWARDS

- First runner-up group | Hackathon for Women 2017 (36 hours) by ICT Division, Govt. of Bangladesh
- First runner-up group | Women's Day Innovation Challenge 2017, Facebook Developer Circle, Dhaka
- Dean's Honor List | BUET - 2016-17, 2015-16, 2014-15, 2013-14

SKILLS

- Java, C++, Python (Scikit-learn, NumPy, SciPy, PyTorch basics), SQL, Android app development
Used for
 - Developing our *Safe Route Planner* and necessary data analysis
 - Teaching
 - Bachelor's and Master's course projects