

Fariha Tabassum Islam

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EDUCATION

- | | |
|--------------|--|
| June 2021 | Master of Science in Computer Science & Engineering
Bangladesh University of Engineering & Technology (BUET)
CGPA: 3.92 out of 4.00
Thesis: A Privacy-enhanced Approach for Planning Safe Routes with Crowd-sourced Data and Computation
Advisor: Dr. Tanzima Hashem |
| October 2018 | Bachelor of Science in Computer Science & Engineering
Bangladesh University of Engineering & Technology (BUET)
CGPA: 3.89 out of 4.00
Thesis: An Efficient Approach for Real-Time Crowdsourced Package Delivery using Public Transport Networks
Advisor: Dr. Tanzima Hashem |

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

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

FELLOWSHIP

High Profile ICT Scholar Fellowship, 2018-19 (28k USD, One year)

ICT Division, Bangladesh

EXPERIENCE

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|------------------|---|
| Feb'19 – Present | Lecturer
Dept. of Computer Science & Engineering, United International University (UIU), Dhaka, Bangladesh |
| Jan'22 – Jun'22 | Part-time Research Assistant
Dept. of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh |
| Jun'19 – Jun'20 | High Profile ICT Scholar Fellow
ICT Division, Bangladesh |

SKILLS

Java, C++, Python (Scikit-learn, NumPy, SciPy, PyTorch basics), SQL, Android app development etc.

Used for

- research projects
- data analysis for research purpose
- course projects during Bachelor's and Master's
- teaching and learning

AWARDS AND SERVICES

Reviewer

WISE (2021, 2022), NSysS (2020, 2021), 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

NOTABLE TEACHING EXPERIENCES

Undergraduate Courses

Theory courses

- Object Oriented Programming
- Data Structure and Algorithms I & II
- Artificial Intelligence
- Compiler
- Society, Technology and Engineering Ethics

Lab courses

- Introduction to Computer Systems
- Structured Programming Language Lab
- Data Structure and Algorithms II Lab
- Artificial Intelligence Lab
- Pattern Recognition Lab
- System Analysis and Design Lab
- Software Engineering Lab