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# Education

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| 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*](https://sites.google.com/site/tanzimahashem/)  Thesis: [*A Privacy-enhanced Approach for Planning Safe Routes with Crowdsourced Data and Computation*](http://farihat13.github.io/data/Fariha%20Tabassum%20Islam%20MSc%20Thesis.pdf) |
| 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*](https://sites.google.com/site/tanzimahashem/)  Thesis: [*An Efficient Approach for Real-Time Crowdsourced Package Delivery using Public Transport Networks*](http://farihat13.github.io/data/Fariha%20Tabassum%20Islam%20BSc%20Thesis.pdf) |

# 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://doi.org/10.48550/arXiv.2112.13760)

# Experience

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| 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