

# Farhana Shahid

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## Research Interests

My research interests encompass various multidisciplinary divides with particular focus on Human-Computer Interaction (HCI). Currently I am working at the intersection of data science, applied machine learning, social computing, and ubiquitous computing to address health related issues of marginalized communities. My research focuses on technology mediated, data-driven yet human-centered approaches to create new values having sustainable outcomes for people.

## Appointments

### Brac University

LECTURER

Dhaka, Bangladesh

May 2018 – Present

### Eastern University

LECTURER

Dhaka, Bangladesh

Sep 2017 – Apr 2018

## Education

### Bangladesh University of Engineering and Technology

MASTERS OF SCIENCE, COMPUTER SCIENCE AND ENGINEERING

2017 – 2019

GPA: 4.00 out of 4.00

### Bangladesh University of Engineering and Technology

BACHELOR OF SCIENCE, COMPUTER SCIENCE AND ENGINEERING

2013 – 2017

GPA: 3.74 out of 4.00

## Academic Awards

- 2016 **University Merit Scholarship**, Bangladesh University of Engineering and Technology
- 2015 **Dean's List Award**, Bangladesh University of Engineering and Technology
- 2015 **First runner up: Poster Presentation Session**, Esonance, Islamic University of Technology
- 2012 **Champion: Science Olympiad**, Inter College Science Festival, Holy Cross College
- 2011 **First runner up**, 4th Bangladesh Chemistry Olympiad
- 2011 **Secondary School Merit Scholarship**, Education Board of Dhaka

## Publications

### JOURNAL PUBLICATIONS

1. **Farhana Shahid**, Shahinul Hoque Ony, Takrim Rahman Albi, Sriram Chellappan, Aditya Vashistha, and A. B. M. Alim Al Islam. 2020. Learning from Tweets: Opportunities and Challenges to Inform Policy Making During Dengue Epidemic. In *Proceedings of the ACM on Human-Computer Interaction*. Vol. 4, No. CSCW1, Article 65 (May 2020).
2. **Farhana Shahid**, Wasifur Rahman, Anika Binte Islam, Nipi Paul, Nabila Khan, Mohammad Saifur Rahman, Md Munirul Haque, and A. B. M. Alim Al Islam. 2019. Two Tell-tale Perspectives of PTSD: Neurobiological Abnormalities and Bayesian Regulatory Network of the Underlying Disorder in a Refugee Context. In *Proceedings of the ACM on Interactive Mobile, Wearable and Ubiquitous Technologies*. Vol. 3, No. 3, Article 101 (September 2019).

## Teaching Experience

### THEORY COURSE INSTRUCTOR

- Computer Graphics (Spring 2020, Fall 2019, Summer 2019, Spring 2018)
- Digital Logic Design (Spring 2020, Summer 2018)
- Programming Language I (Fall 2019, Spring 2019, Fall 2018)
- Programming Language II (Spring 2019, Fall 2018)
- Data Structures (Summer 2019)

- Operating Systems (Spring 2018, Fall 2017)
- Mathematical Analysis for Computer Science (Fall 2017)

## LAB COURSE INSTRUCTOR

- Computer Graphics (Spring 2020, Fall 2019, Fall 2018, Spring 2019, Summer 2018)
- Artificial Intelligence (Spring 2020, Fall 2019)
- Object Oriented Programming (Fall 2019, Summer 2019, Spring 2019)
- Programming Language I (Summer 2019, Spring 2019, Summer 2018)
- Algorithms (Summer 2019, Fall 2019, Summer 2018)
- Digital Logic Design (Summer 2019)
- Data Structures (Summer 2018)
- Operating Systems (Spring 2018, Fall 2017)

## COURSE COORDINATOR

- Theory Course Coordinator: Computer Graphics (Spring 2020, Fall 2019)
- Lab Course Coordinator: Artificial Intelligence (Spring 2020, Fall 2019), Object Oriented Programming (Fall 2019)

## STUDENTS MENTORED

### UNDERGRADUATE STUDENTS

- Takrim Rahman Alvi
- Shahinul Hoque Ony

## Skills

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**Languages** C/C++, Java, Python, MATLAB, R, PHP, Node.JS, SQL, LaTeX, Prolog, Assembly (8086), Bash/ Shell script, CSS, and HTML5.

**Web Frameworks** Gatsby, ASP.NET, and CodeIgniter.

**Tools** OpenGL, Weka, Oracle, Apache Derby, Anaconda, scikit-learn, and Word2Vec library.

## Services

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### COMMITTEE MEMBER

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| 2019 | AI, ML, and NLP thesis panel, Brac University                      |
| 2019 | Course curriculum update following OBE guidelines, Brac University |
| 2018 | Semester planning, Brac University                                 |

### ORGANIZING COMMITTEE

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| 2018 | 5 <sup>th</sup> Eastern University Math Olympiad, Eastern University |
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### REVIEWER

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| 2020 | Asian CHI Symposium |
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### VOLUNTEER

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| 2015 | National High School Programming Contest, Bangladesh University of Engineering and Technology |
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