

# Farhana Shahid

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## Research Interests

My research interests encompass the diverse spectra of Human-Computer Interaction, Social Computing, and Ubiquitous Computing. I have broad interest in the design, use, and social impact of technologies that create sustainable outcomes for traditionally underserved and low-resource communities.

## Education

### Ph.D. in Information Science

2021 – Present

CORNELL UNIVERSITY

Advisor: Aditya Vashistha

### M.Sc. in Computer Science and Engineering

2017 – 2019

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

GPA: 4.00 out of 4.00

Advisor: A. B. M. Alim Al Islam

### B.Sc. in Computer Science and Engineering

2013 – 2017

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

GPA: 3.74 out of 4.00

Advisor: A. B. M. Alim Al Islam

## Appointments

### Cornell University

Ithaca, New York

GRADUATE TEACHING ASSISTANT

Aug 2021 – Present

GRADUATE RESEARCH ASSISTANT

Jun 2021 – Aug 2021

### Brac University

Dhaka, Bangladesh

LECTURER

May 2018 – May 2021

### Eastern University

Dhaka, Bangladesh

LECTURER

Sep 2017 – Apr 2018

## Academic Awards

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|------|---|
| 2020 | <b>Distinguished Paper Award (Top 3%),</b> IMWUT Volume 3                                       |
| 2020 | <b>Honorable Mention Award (Top 5%),</b> CSCW2020   |
| 2016 | <b>University Merit Scholarship,</b> Bangladesh University of Engineering and Technology        |
| 2015 | <b>Dean's List Award,</b> Bangladesh University of Engineering and Technology                   |
| 2015 | <b>First runner up: Poster Presentation Session,</b> Esonance, Islamic University of Technology |
| 2012 | <b>Champion: Science Olympiad,</b> Inter College Science Festival, Holy Cross College           |
| 2011 | <b>First runner up,</b> 4th Bangladesh Chemistry Olympiad                                       |
| 2011 | <b>Secondary School Merit Scholarship,</b> Education Board of Dhaka                             |

## Publications

### JOURNAL PUBLICATIONS

- Farhana Shahid**, Wasifur Rahman, Mohammad Saifur Rahman, Sharmin Akther Purabi, Ayesha Seddiqa, Moin Mostakim, Farhan Feroz, Tanjir Rashid Soron, Fahmida Hossain, Nabila Khan, Anika Binte Islam, Nipi Paul, Ehsan Hoque, and A. B. M. Alim Al Islam. 2020. Leveraging Free-Hand Sketches for Potential Screening of PTSD. In *Proceedings of the ACM on Interactive Mobile, Wearable and Ubiquitous Technologies*. Vol. 4, No. 3, Article 94 (September 2020).
- 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). 🏆 **CSCW Honorable Mention Award (Top 5%)**
- 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). 🏆 **IMWUT Distinguished Paper Award (Top 3%)**

## THESIS

1. Leveraging Features from EEG and Free-Hand Sketches for Effective Diagnosis of Post-Traumatic Stress Disorder, M.Sc. Engg. Thesis, In *Department of Computer Science and Engineering, BUET*, 2021.
2. Blending Statistical Measures with Artificial Intelligence for Predicting Inter Species Gene Expressions, B.Sc. Engg. Thesis, In *Department of Computer Science and Engineering, BUET*, 2017.

## Teaching Experience

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### TEACHING ASSISTANT

- Computing and Global Development (Fall 2021)

### COURSE INSTRUCTOR

- Computer Graphics (Spring 2021, Fall 2020, Summer 2020, Spring 2020, Fall 2019, Summer 2019, Spring 2019, Spring 2018)
- Pattern Recognition (Fall 2020, Summer 2020)
- Artificial Intelligence (Spring 2020, Fall 2019)
- Object Oriented Programming (Fall 2019, Summer 2019, Spring 2019, Fall 2018, Summer 2018)
- Digital Logic Design (Spring 2020, Summer 2018)
- Algorithms (Summer 2019, Fall 2019, Summer 2018)
- Data Structures (Summer 2019, Summer 2018)
- Operating Systems (Spring 2018, Fall 2017)
- Mathematical Analysis for Computer Science (Fall 2017)

### COURSE COORDINATOR

- Computer Graphics (Spring 2021, Fall 2020, Spring 2020, Fall 2019)
- Pattern Recognition (Fall 2020, Summer 2020)
- Artificial Intelligence (Summer 2020, Spring 2020, Fall 2019)
- Object Oriented Programming (Fall 2020, Fall 2019)

### MENTORING

#### UNDERGRADUATE STUDENTS

- Takrim Rahman Albi
- Shahinul Hoque Ony

## Services

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### REVIEWER

2020–21	ACM Human Factors in Computing Systems (CHI)
2021	ACM Computer Supported Cooperative Work and Social Computing (CSCW)
2020	ACM Transactions on Computing for Healthcare

### ORGANIZING COMMITTEE

2022	Publicity Co-chair, ACM COMPASS
2018	5 <sup>th</sup> Eastern University Math Olympiad, Eastern University

### UNIVERSITY SERVICE

2021–Present	Vice President, Information Science Graduate Student Association, Cornell University
2019–20	AI, ML, and NLP thesis panel, Brac University
2019	Course curriculum update, Brac University
2018	Semester planning, Brac University

### VOLUNTEER

2021	CHI 2021, UbiComp 2021, CSCW 2021, Asia-Oceania Accessibility Workshop
2015	National High School Programming Contest, BUET

# Selected Talks

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## CONFERENCE TALKS

- Oct 2020      Learning from Tweets: Opportunities and Challenges to Inform Policy Making During Dengue Epidemic, CSCW 2020
- Sep 2020      Leveraging Free-Hand Sketches for Potential Screening of PTSD, UbiComp 2020