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 *Fall 2021*
Graduate Research Assistant *Summer 2021, Spring 2022*

Brac University *Dhaka, Bangladesh*
Lecturer *May 2018 – May 2021*

Eastern University *Dhaka, Bangladesh*
Lecturer *Sep 2017 – Apr 2018*

Academic Awards and Honors

2022   **Finalist: HCI - Social Media, People, and Society**, Meta PhD Research Fellowship

2020   **Distinguished Paper Award (Top 3%)**, IMWUT Volume 3

2020   **Honorable Mention Award (Top 5%)**, CSCW2020

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

Conference Publications

1. **Farhana Shahid**, Srujana Kamath, Annie Sidotam, Vivian Jiang, Alexa Batino, and Aditya Vashistha. 2022. "It Matches My Worldview": Examining Perceptions and Attitudes Around Fake Videos. To appear in *ACM Conference on Human Factors in Computing Systems (CHI 2022)*.

Journal Publications

1. **Farhana Shahid**, Shrirang Mare, and Aditya Vashistha. 2022. Examining Source Effects on Perceptions of Fake News in Rural India. 2022. In *Proceedings of the ACM on Human-Computer Interaction*. Vol. 6, No. CSCW1, Article 89 (April 2022).

2. **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).

3. **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%)**

4. **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

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

Reviewer

2020–22	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	5th 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-Ocenia Accessibility Workshop
2015	National High School Programming Contest, BUET

Selected Talks

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