

Farhana Shahid

✉ fs468@cornell.edu | 🏠 farhana-shahid.github.io | 📱 farhana-shahid

Research Interests

My research interests lie at the intersection of Human-Computer Interaction, Ubiquitous Computing, and Social Computing. I have broad interests in the design, use, and social impact of technologies that create sustainable outcomes for low-resource communities.

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**, 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).
2. **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).
3. **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 (Summer 2020, Spring 2020, Fall 2019, Summer 2019, Spring 2018)
- Pattern Recognition (Summer 2020)
- 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

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

COMMITTEE MEMBER

- 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

- 2018 5th Eastern University Math Olympiad, Eastern University

REVIEWER

- 2020 Asian CHI Symposium

VOLUNTEER

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