

# Farhana Shahid

✉ fs468@cornell.edu

🏠 <https://farhana-shahid.github.io/>

## 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

- May 2018 – Present     📌 **Lecturer.** Department of Computer Science and Engineering, Brac University Dhaka, Bangladesh.
- Sep 2017 – Apr 2018     📌 **Lecturer.** Department of Computer Science and Engineering, Eastern University Dhaka, Bangladesh.

## Education

- 2017 – 2019     📌 **M.Sc. in Computer Science and Engineering**  
Bangladesh University of Engineering and Technology  
Advisor: A. B. M. Alim Al Islam  
GPA: 4.00 out of 4.00
- 2013 – 2017     📌 **B.Sc. in Computer Science and Engineering**  
Bangladesh University of Engineering and Technology  
GPA: 3.74 out of 4.00

## Research Publications

### Journal Publications

- 1 **Farhana Shahid**, Wasifur Rahman, Mohammad Saifur Rahman, Sharmin Akther Purabi, Ayesha Sed-diq, Moin Mostakim, 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. To Appear In *Proceedings of the ACM on Interactive Mobile, Wearable and Ubiquitous Technologies* (IMWUT' 20). 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, Issue 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: Neurobio-logical 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* (IMWUT' 19). 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

- Pattern Recognition (Summer 2020)
- 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 Albi
- Shahinul Hoque Ony

## Academic Awards

- |      |   |  |
|------|---|--|
| 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.            |
|      | 🏆 | <b>First runner up: Poster Presentation</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.                                |
|      | 🏆 | <b>Secondary School Merit Scholarship</b> , Education Board of Dhaka.                      |




## Skills

- |           |   |  |
|-----------|---|--|
| Languages | 🏆 | C/C++, Java, Python, MATLAB, R, PHP, Node.JS, SQL, $\LaTeX$ , Prolog, Assembly (8086), Bash/ Shell script, CSS, HTML5. |
| Web Dev   | 🏆 | Gatsby, ASP.NET, CodeIgniter.  |
| Tools     | 🏆 | OpenGL, Weka, Oracle, Apache Derby, Anaconda, scikit-learn, Word2Vec library.  |



## Service

---

### University Service

- 2019  AI, ML, and NLP thesis panel, Brac University.
-  Course curriculum update, Brac University.
- 2018  Semester planning, Brac University.

### Organizing Committee

- 2017  5<sup>th</sup> Eastern University Math Olympiad, Eastern University.
- 2015  National High School Programming Contest, BUET.

### Reviewer

- 2020  Asian CHI Symposium.