

# Farhana Shahid

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🏠 <https://farhana-shahid.github.io/>

## Research Interests

My research interests encompass the diverse spectra 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  
Advisor: A. B. M. Alim Al Islam  
GPA: 3.74 out of 4.00

## Research Publications

### Journal Publications

- 1 **Farhana Shahid**, Wasifur Rahman, Mohammad Saifur Rahman, Sharmin Akther Purabi, Ayesha Seddiqa, 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: 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* (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  **University Merit Scholarship**, Bangladesh University of Engineering and Technology.
- 2015  **Dean's List Award**, Bangladesh University of Engineering and Technology.
-  **First Runner Up: Poster Presentation**, Esonance, Islamic University of Technology.
- 2012  **Champion: Science Olympiad**, Inter College Science Festival, Holy Cross College.
- 2011  **First Runner Up**, 4<sup>th</sup> Bangladesh Chemistry Olympiad.
-  **Secondary School Merit Scholarship**, Education Board of Dhaka.




## Skills

Coding	 C/C++, Java, JavaScript, Python, MATLAB, R, PHP, Node.JS, React.JS, SQL, Prolog, Bash/Shell script, Assembly (8086), $\text{\LaTeX}$ , CSS, HTML5.
Web Dev	 Gatsby, ASP.NET, CodeIgniter.
Tools	 OpenGL, Weka, Oracle, Apache Derby, Anaconda, scikit-learn, TensorFlow, Keras, Word2vec.



## Service

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### 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.