

# NAZMUN NAHAR KHANOM

PhD Student, Department of Computer Science, Tulane University

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## EDUCATION

### PhD - Computer Science

Aug 2024-Present

Tulane University, USA

**Focusing on:** Human-Computer Interaction (HCI), Accessibility, and Machine Learning.

**Supervisor:** Dr. Saad Hassan

### Master of Science – Information and Communications Technology

Jan 2021-Apr 2023

Bangladesh University of Professionals, Bangladesh

### Bachelor of Science – Computer Science and Engineering

Jan 2016-Nov 2020

East West University, Bangladesh

## PUBLICATIONS

1. **A Customizable AI-Powered Automatic Text Simplification Tool for Supporting In-Situ Text Comprehension**, *ASSETS 2025* (Demo) (Accepted, pre-publication).
2. **ST-Net: Spatio-Temporal Network for Predicting Crop Yields with Unprecedented Precision**, *2nd International Conference on Machine Intelligence and Emerging Technologies* (MIET 2024). [DOI: [10.1007/978-981-96-2721-9\\_36](https://doi.org/10.1007/978-981-96-2721-9_36)]
3. **K-Means Algorithm Analysis for Election Cluster Prediction**, *JOIV: International Journal on Informatics Visualization* (2023). [DOI: [10.30630/joiv.7.1.1107](https://doi.org/10.30630/joiv.7.1.1107)]
4. **Comparative Analysis of Time Series Prediction Model for Forecasting COVID-19 Trend**, *Indonesian Journal of Electrical Engineering and Computer Science* (2022). [DOI: [10.11591/ijeecs.v28.i1.pp600-610](https://doi.org/10.11591/ijeecs.v28.i1.pp600-610)]
5. **Plant Disease Detection Through the Implementation of Diversified and Modified Neural Network Algorithms**, *Journal of Engineering Advancements* (2021). [DOI: [10.38032/jea.2021.01.007](https://doi.org/10.38032/jea.2021.01.007)]
6. **Performance Analysis of Algorithms on Different Types of Health-Related Datasets**, *Journal of Physics: Conference Series* (2020). [DOI: [10.1088/1742-6596/1577/1/012051](https://doi.org/10.1088/1742-6596/1577/1/012051)]
7. **Security Concerns of Ridesharing Services in Bangladesh**, *2nd International Conference on Applied Information Technology and Innovation* (ICAITI), 2019. [DOI: [10.1109/ICAITI48442.2019.8982128](https://doi.org/10.1109/ICAITI48442.2019.8982128)]

## REVIEWER

- **Conferences:** ACM CHI 2025 (Papers, Late Breaking Work), ACM CHI PLAY 2024 (Work-In-Progress), ACM CSCW 2024 (Posters), ACM UbiComp/ISWC 2024 (Posters & Demos), ACM VRST 2024 (Papers), ICCA 2024.
- **Journals:** BEEI, IJPEDS, IJEECS.

## PROFESSIONAL EXPERIENCE

### Tulane University, USA

Aug 2024-Present

Graduate Research Assistant, Department of Computer Science

### Military Institute of Science and Technology, Bangladesh

Mar 2023-Apr 2024

Lecturer, Department of Computer Science and Engineering

### Primeasia University, Bangladesh

Oct 2022-Mar 2023

Lecturer, Department of Computer Science and Engineering

### East West University, Bangladesh

Feb 2021-Jun 2021

Graduate Teaching Assistant, Department of Computer Science and Engineering

### East West University, Bangladesh

Jan 2018-Jul 2020

Undergraduate Teaching Assistant, Department of Computer Science and Engineering

## PROFESSIONAL MEMBERSHIP

1. **Association for Computing Machinery (ACM):** Student Membership since 2024.

