NAZMUN NAHAR KHANOM
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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]
3. **K-Means Algorithm Analysis for Election Cluster Prediction**, *JOIV: International Journal on Informatics Visualization* (2023). [DOI: 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]
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]
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]
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]

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.