# Mashrur Mahmud Morshed

Email: morshedm@msu.edu

mashrurmorshed.github.io

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## EDUCATION

**Michigan State University**, East Lansing, MI, USA                     Jan. '23 - Present
Ph.D., Computer Science

**Islamic University of Technology**, Dhaka, Bangladesh                  Jan. '17 - Mar. '21
B.Sc., Computer Science & Engineering
CGPA: 3.87/4.00

## EXPERIENCE

**Human Analysis Lab**, CSE Department, MSU                              Jan. '23 - Present
Graduate Research Assistant
Supervisor: Dr. Vishnu Boddeti (`vishnu@msu.edu`)
Research Topic: Diffusion-based 3D face reconstruction

**Intelligent Machines**                                                 Feb. '21 - Jun. '22
AI Engineer
Supervisor: Md. Rashedul Islam (`rashed@intelligentmachin.es`)
Research Topic: Audio keyword spotting

**Systems & Software Lab**, CSE Department, IUT                          Jan. '20 - Mar. '21
Undergraduate Researcher
Supervisor: Dr. Hasan Mahmud (`hasan@iut-dhaka.edu`)
Research Topic: Multimodal dynamic hand gesture recognition

**Department of CSE, IUT**                                               Jan. '20 - Jul. '20
Teaching Assistant, CSE 4709: Machine Learning
Supervisor: Dr. Hasan Mahmud (`hasan@iut-dhaka.edu`)

## PUBLICATIONS

[1] **M.M. Morshed**, A.O. Ahsan, H. Mahmud, and M.K. Hasan. "Learning Audio Representations With MLPs." arXiv preprint arXiv:2203.08490 (2022).

[2] **M.M. Morshed**, and A.O. Ahsan. "Attention-Free Keyword Spotting." 3rd Workshop on Practical Machine Learning for Developing Countries, ICLR 2022.

[3] H. Mahmud, **M.M. Morshed**, and M.K. Hasan. "Quantized depth image and skeleton-based multimodal dynamic hand gesture recognition." The Visual Computer (2023): 1-15.

## AWARDS

**Partial OIC Scholarship**, IUT                                         Jan. '17 - Mar. '21
Awarded by the Organization of Islamic Cooperation (OIC) to the top 1% of students based on their ranking in the IUT Admission Test.

## ACHIEVEMENTS

HEAR Challenge, NeurIPS 2021                                             Oct. 2021
- $1^{st}$ place: Speech Commands Full, Speech Commands 5H, Mridingham Tonic
- 3rd place: Mridingham Stroke, Beehive States

Handwritten Bengali Grapheme Classification, Kaggle                      Mar. 2020
- $57^{th}$ place (Silver medal).

MicroNet Challenge, NeurIPS 2019                                         Oct. 2019
- $26^{th}$ place, Vision (CIFAR-100) track.