

Tauhid Tanjim

Computer and Information Science Department
Cornell Tech, Cornell University
2 W Loop Rd, New York, NY 10044

tanjim13.github.io/tauhidtanjim
Email: tt485@cornell.edu

Research Interest	Artificial Intelligence, Health Tech, Human-Robot Interaction, Computer Vision		
Academic Appointments	Ph.D., Information Science		
	Cornell Tech, New York, NY, Research Advisor: Dr. Angelique Taylor		Fall 2022 - Present
	B.Sc. in Computer Science and Engineering (CSE) University of Dhaka, Dhaka (2019) Research Advisor: Dr. Md Mosaddek Khan		CGPA: 3.84/4.00
Publications	Zaoad, S. A., Tanjim, T. , Hasan, M., Mamun-Or-Rashid, M., Almansour, I. A., & Khan, M. M. (2021, September). Accelerating Message Passing Operation of GDL-Based Constraint Optimization Algorithms Using Multiprocessing. In 2021 IEEE Intl Conf on Parallel & Distributed Processing with Applications, Big Data & Cloud Computing, Sustainable Computing & Communications, Social Computing & Networking (ISPA/BDCloud/SocialCom/SustainCom) (pp. 706-714). IEEE.		
	Hossain, E., Karim, M. R., Hasan, M., Zaoad, S. A., Tanjim, T. , & Khan, M. M. (2022). SPaFE: A Crowdsourcing and Multimodal Recommender System to Ensure Travel Safety in a City. IEEE Access, 10, 71221-71232.		
Awards and Grants	Cornell Tech Outstanding TA Award		2023
	Champion under the category of “mobile app”, DU ICT Fest		2018
	Runner Up, BRACathon		2017
	Grant Awarded for Government Based Project, ICT Ministry		2020
Computer Skills	Languages: C, C++, Java, Python Bash, L ^A T _E X. Web Development: HTML, CSS, JavaScript. Applications: Vi/Vim, Eclipse, Visual Studio, Git, VMWare, VirtualBox. Operating Systems: Unix, Linux, Mac OSX, Windows, Android. Frameworks: PyTorch, Tensorflow, Keras, Scikit-learn, ROS.		
Professional and Teaching Experience	Cornell Tech, Cornell University		
	<i>Teaching Assistant</i>		
	Introduction to Human-Robot Interaction		Fall 2022
	Practical Application in Machine Learning		Spring 2023
	Machine Learning Engineering		Fall 2023
	Brac University		
	<i>Part-Time Lecturer</i>		
	Data Structures & Algorithms	Spring 2021, Summer 2021, Fall 2021	
	Data Communications		Fall 2021
	Operating Systems		Summer 2021
	Microprocessor	Spring 2021, Summer 2021	
	Computer Graphics		Summer 2021
	Simulation and Modeling		Summer 2021, Fall 2021

	University of Dhaka <i>Research Assistant</i> Government-funded Project by ICT Ministry Bangladesh	2020-2021
Academic Services	Reviewer ACM/IEEE Conference on Human-Robot Interaction (HRI) IEEE International Conference on Robotics and Automation (ICRA)	2024 2024
Projects	<p>LalBus - An android-based application that helps Dhaka University students to track their buses. Additionally, this app provides route information and bus schedules to the students. YouTube Link, Download Link</p> <p>cricHUB - A web-based application to collect data from other news-based websites and publish it. In this web application, you can post news as well. Project Link</p> <p>iGestRecognito - This stands for 'Intelligent Gesture Recognition'. An android application to create a communication media in sign language using Text to Sign conversion and vice-versa. It includes an American Sign Language Keyboard and a media player with American Sign Language (ASL) subtitle feature. It also incorporates an alphabetical gesture pattern recognition feature. YouTube Link</p> <p>uRECO - A web application related to image processing and gesture recognition. It detects American Sign Language (ASL) characters using the computer camera, facial expression classifier & virtual PC keyboard YouTube Link</p> <p>COLORBALL - A game created with c++, using SFML. It collects stars to increase scores. The ball changes color and can pass if the ball and the obstacle have the same color. Once the gamer reaches higher levels, some bombs and death gems come as obstacles, and the ball moves faster than before.</p> <p>PC Dictator - This is a remote PC control system built by using java, java networking, java swing, robot class. The server can control many clients' various actions simultaneously. The system sleep, shutdown, lock, send files, receive files, send messages, install software on its own. The Mouse and keyboard device of the Client's PC can be controlled from Server using robot class. YouTube Link</p> <p>Smart-Home - It is an Arduino based project. if any accident strikes in the user's house, it will send an SMS notification on the user's mobile and help to solve the problem simultaneously.</p>	
Extracurricular Activities	Animal Welfare Club of Dhaka University <i>Co-Founder</i> My organization is responsible for securing the wildlife of the campus area.	2020-2022
	Hashimukh <i>Educator</i> This is an NGO, which ensure rights of street children and provides them free access to primary education.	2014-2016

References

Dr. Angelique Taylor

Assistant Professor

Information Science Department,
Cornell Tech, Cornell University, NY, USA
Email: amt298@cornell.edu

Dr. Md Mosaddek Khan

Associate Professor

Department of Computer Science and Engineering,
University of Dhaka, Bangladesh
Email: mosaddek@du.ac.bd