NITER

Jarin TasnimTamanna

Computer Science & Engineering

Bio

Jarin Tasnim Tamanna, received B.Sc. in Computer Science and Engineering from Dhaka University of Engineering & Technology, Gazipur (DUET) on 2022, and pursuing M.Sc from the same university. She is working as a Lecturer of Computer Science and Engineering department at National Institute of Textile Engineering & Research (NITER), Constituent Institute of the University of Dhaka, and former faculty of Dhaka International University. Her research area of interest is Machine Learning, Image Processing, Artificial Intelligence, and Robotics.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
M.Sc	CSE	DUET	Bangladesh	Ongoing
B.Sc.	CSE	DUET	Bangladesh	2022

Experience

Job Title	Organization	Location	From Date	To Date
Lecturer	Dhaka International University	Satarkul Rd, Dhaka - 1212	19th August,2022	30th November, 2022

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indicatior)
Machine Learning	Machine learning has the potential to revolutionize research acrossa wide range of fields, enabling researchers to perform tasks moreefficiently, accurately, and quickly than ever before. It includes: Data Analysis, Natural Language Processing, and Predictive Modeling.	Will be executed
Artificial Intelligence	AI, or artificial intelligence, has had a significant impact on the fieldof research, allowing researchers to tackle complex problems and make new discoveries in ways that were previously impossible.	Will be executed
Robotics	Robotics has become an increasingly important tool for researchers, enabling them to perform tasks that would be difficult,if not impossible, to achieve using traditional methods. It includes: Exploration, Automation, Experimentation, and Assistance.	Will be executed
Image Processing	**Image processing is a powerful tool that is widely used in researchto analyze, interpret, and understand images. There are some of the ways that image processing is being used in research like: Medical Imaging, Astronomy, Remote Sensing, and MaterialsScience.**	Will be executed

Project/Research Work

Subject	Project Name	Source of Fund	From Date	To Date	Collaboration
IOT	E-Healthcare Using IoT and Providing AI based Diabetes andRelated Disease Prediction	N/A	5th March, 2021	13th June, 2022	Prof. Dr. Mohammad Abdur Rouf

Award

Award Type	Title	Year	Country	Description
Education	Dean's Award	2020	Bangladesh	Awarded by Dean, Faculty of Electrical and Electronic Engineering,DUET as recognition of securing honors grades in consecutive semesters in an academic year in B.Sc. engineering program.
Innovation	Innovation for Smart City-2019	2019	Bangladesh	Awarded by Bangladesh Innovation Forum and Red Carpet 365 corporation for project showcasing competition in "Bangladesh SmartCity Expo 2019".
Robotics	Robo- Race, 3rdStudent Conference on Science & Engineering	2018	Bangladesh	Robo- Race, a speed battle competition between line follower robots,in "3rd Student Conference on Science & Engineering", organized byIEEE Student Branch, DU, Dhaka University Science Society, and IEEE WIE AG SB DU on 24th November, 2018 at the Department ofEEE, DU.
Idea Contest	GPH ispat - EshoRobot Banai	2019	Bangladesh	Awarded by GPH ispat - Esho Robot Banai and Channel I Televisionfor solving real life problems through Robotics on event of "Idea Contest".
HULT Prize	HULT Prize Regional Finals	2021	Bangladesh	Awarded by Hult Prize Foundation, supervised by Bill Clinton (42nd President of USA) for presenting an innovative idea on solving globalfood problems at the event titled "Food For Good".
Concept Paper	National Top 30Concept Paper"	2021	Bangladesh	Awarded by National STEM Foundation at Science, Technology,Engineering & Math (STEM) for presenting a concept paper on a"solar frost battery less cold storage system." at 2021.

Idea Contest	National Top 100Idea Contest	2021	Bangladesh	**Awarded by Mujib 100 Idea Contest 2021 for presenting a concept on"An Intelligence Platform for Community Clinic of Bangladesh"**
Skill Competition	National level Winner at Skill Competition	2014	Bangladesh	**Awarded by Skills and Training Enhancement Project (STEP), Directorate of Technical Education, Ministry of Education for aproject on "Smart Home Security System".**
Enterprise Challenge Award	Division level Winner at Enterprise Challenge Award	2012	Bangladesh	**Awarded by British Council in association with Bangladesh Technical Education Board for presenting a concept about feasibleenvironmental solution.**
Story Telling Award	Best Story Teller	2014	Bangladesh	**Awarded by British Council to celebrate the British Council's 64years of cultural relations in Bangladesh at 2014**
Speech Competit ion	Winner at Speech Competiti on	2018	Bangladesh	**Awarded by DUET Debating Society for presenting speech about lifestory of Sheikh Mujibur Rahman at 2018.**
Programm ing Contest	IPPC- 2014	2014	Bangladesh	**Awarded by IUBAT for achieving 6th place on Inter PolytechnicProgramming Contest-2014.**
Digital World Fair	**Best Stall Awardat Digital World Fair- 2015**	**2015**	**Bangladesh**	**Awarded by ICT Ministry of Bangladesh for Presenting a project on"Women Security System".**

Contact

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Institute – Faculty
Name of the Department: Computer Science and Engineering
Position: Lecturer