NITER

Shakila Shafiq

Computer Science & Engineering

Bio

Shakila Shafiq received the B.Sc. degree in Information Technology (IT) from the Jahangirnagar University, Savar, Dhaka-1342, in 2022 and gained first position. She is pursuing the M.Sc. degree in Information and Communication Technology (ICT) in the same institute. Currently, she is working as a Lecturer of Computer Science and Engineering (CSE) at National Institute of Textile Engineering and Research (NITER), Constituent Institute of the University of Dhaka, Savar, Dhaka-1350, Bangladesh since July 2023 to present. She has conducted her undergraduate research project in the area of nature-inspired algorithms and machine learning which has been published in a high-quality Q1 journal. Her research interests include health care, nature-inspired algorithms, machine learning, deep learning, neural networks, software-defined networking, and the internet of things.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
B.Sc.	Information Technology (IT)	Jahangirnagar University	Bangladesh	2022
M.Sc.	Information Technology (IT)	Jahangirnagar University	Bangladesh	Pursuing

Experience

Job Title	Organization	Location	From Date	To Date
Lecturer	National Institute of Textile Engineering and Research (NITER)	Nayarhat, Savar, Dhaka-1350	2023	Present

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indication)
NIA	Nature-inspired Algorithm	
ML	Machine Learning	
DL	Deep Learning	
NN	Neural Networks	
IoT	Internet of Things	
SDN	Software-defined Networking	

Project/Research Work

Subject	Project Name	Source of Fund	From Date	To Date	Collaboration
IoT	Home Automation- A home appliance control system using IR sensor	-	September 2017	February 2018	IIT, JU
IoT, Microcontroller	Dual-Axis Solar Tracker System	-	March 2018	September 2018	IIT, JU
Microcontroller	FindMe-An	-	October 2019	February 2020	IIT, JU

	orientation and location tracking System using MPU 6050				
Web application	Gachwalee- An e-commerce website for plants selling online	-	March 2020	July 2020	IIT, JU
Research Project	Bio-inspired algorithms for the diagnosis of Neurodegenerative Diseases	-	March 2021	February 2022	IIT, JU
Research Project	Hybrid Nature-inspired algorithm and Artificial Intelligence-based techniques for the diagnosis of Neurodegenerative Diseases	ICT Ministry, Government of the People's Republic of Bangladesh	July 2022	June 2023	IIT, JU

Membership

Collaboration & Membership Name	Type	Membership Year	Expire Year
IEEE	Member	2018	Continue

Publications

Journal Article

SL. No-	Article Name	Link
01	Comprehensive Analysis of Nature-Inspired Algorithms for Parkinson's Disease Diagnosis	https://ieeexplore.ieee.org/abstract/document/9999227 DOI: 10.1109/ACCESS.2022.3232292

Conference Proceedings

SL. No-	Paper Name	Link
01	**Deep Learning-Enabled Alzheimer's Disease Detection from MRI Image and Its Management., In 16th International Conference on Brain Informatics (BI 2023), Hoboken & New York - USA. Springer Nature.**	

Award

Award Type	Title	Year	Country	Description
National	ICT Ministry Research Fellowship	2022-2023	Bangladesh	To encourage innovation in the Information and Communication sector, the Ministry of Information and Communication of the Government of Bangladesh provides funds to individuals or organizations. Each year very few students from different universities all over the country are awarded with this fellowship based on their research work.

Contact

Academic
Mail: sshafiq@niter.edu.bd
Contact: +8801991677002

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