Md. Farhadul Islam

📍 Dhaka, Bangladesh   ✉ md.farhadul.islam@g.bracu.ac.bd   📞 +8801918051324

in Md. Farhadul Islam   ⌂ farhad324   ⓘ 0000-0003-3249-4490   R⁶ Md. Farhadul Islam

▶ Farhadul Islam

🎓 EDUCATION

09/2019 – Present
Bachelor of Science in Computer Science
BRAC University ↗
CGPA: 3.85, Credits Completed: 93

💼 PROFESSIONAL EXPERIENCE

02/2022 – Present
Student Tutor
BRAC University ↗
Course(s):
- **CSE221** - Algorithms (Summer 2022)
- **STA101** - Introduction To Statistics (Spring 2022)
School of Data & Sciences

03/2021 – Present
Undergraduate Research Assistant
Supervisor(s): Jannatun Noor, Meem Arafat Manab
Field: Deep Learning

🧠 SKILLS

OOP, Data Structures, Algorithms
Python, Java, C, C++

Database Management System
MySQL

Simulation & Modeling
SciPy, SimPy, SymPy

Data Analysis, Management & Visualization
NumPy, Pandas, Matplotlib, Seaborn

Machine Learning/ Deep Learning
Tensorflow/Keras, ScikitLearn, OpenCV, NLTK

Backend Web Development
Django

Web Scraping
BeautifulSoup

Basic Robotics
Arduino (C++)

📖 PUBLICATIONS

2022   **Note: Plant Leaf Disease Network (PLeaD-Net): Identifying Plant Leaf Diseases through Leveraging Limited-Resource Deep Convolutional Neural Network** ⌕
ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies (COMPASS) (COMPASS '22), Seattle, WA, USA
Authors: Joyanta Jyoti Mondal, **Md. Farhadul Islam**, Sarah Zabeen, A. B. M. Alim Al Islam, and Jannatun Noor.
Impact Factor: 2.81
DOI: https://doi.org/10.1145/3530190.3534844

2022   **Diagnosis of Autism Spectrum Disorder Through Eye Movement Tracking Using Deep Learning***
International Conference on Information and Communication Technology for Development (ICICTD) 2022, Khulna, Bangladesh.
Authors: Nasirul Mumenin, **Md. Farhadul Islam**, Md. Reasad Zaman Chowdhury, Mohammad Abu Yousuf
*Accepted, yet to be published

📂 PROJECTS

2022   **Bangladesh Solar Irradiation Prediction Using Stacked LSTM** ⌕
Data Collected from NSRDB, Used Lightweight Stacked LSTM Model to Predict GHI from Time Series (2018-2020) Data. Tensorflow/Kears was used.

2022   **Skin Cancer Diagnosis Using Deep Convolutional Neural Network** ⌕
CSE438 - Applied Data Science for Practitioners Project. Got the highest grade for this project. Used Tensorflow/Keras, Scikit-Learn for ML tasks.

2022   **Malware Classification using Deep CNN on Malimg Dataset** ⌕
Achieved high accuracy with a CNN model made from scratch. Tensorflow/Keras was used. Model was developed focusing on classifying any type of malware attack images.

2021   **Monte Carlo Dropout for Uncertainty Analysis on California House Prices Dataset** ⌕
CSE474 - Simulation and Modeling Project. Analysis on how Feature Vectors can affect the uncertainty of an ANN model.

2021   **Brain Tumor Detection from MRI Images using CNN** ⌕
Classified Tumor and Non-Tumor Data, using CNN, achieved high accuracy. Tensorflow/Keras was used for this task.

2021   **Auto Chloro - A Plant Disease Classifier & Remedies Provider in Bangla** ⌕
2nd Runner up in Project Tech Tussle by IEEE Computer Society BRACU Student Chapter. Tensorflow/Keras was used for DL, EasyGUI for GUI.

2021	**Conference Management System**
	CSE370 - Database Project. For Backend Development Django was used and Used BeautifulSoup to scrape conference data. For DBMS, MySQL was used.
2020	**AirDraw-n-Match-A-Webcam-Paint-Digit-Recognition-Program** ⧉
	One of the winners in Skill Showcasing - R@D!X (Radix) by BRAC University Computer Club. Used Tensorflow/Keras, OpenCV, EasyGUI for developing the whole project.
2020	**NESARC Data Analysis, Management & Visualization** ⧉
	Coursera Course Project. Analysis on "How Depression Affects Diet and Lifestyle".

📖 ONLINE COURSE CERTIFICATIONS

| 2021	**DeepLearning.AI Tensorflow Developer** ⧉
	DeepLearning.AI
2021	**AI for Medicine** ⧉
	DeepLearning.AI
2021	**Machine Learning Fundamentals with Python Track** ⧉
	DataCamp

💡 PRESENTATIONS & LECTURES

2021	**Identification of Plant Leaf Diseases using Deep Convolutional Neural Network with Less Computational Power (Poster Presentation)** ⧉
	8th International Conference on Networking, Systems and Security (NSysS 2021)
	Authors: Joyanta Jyoti Mondal, **Md. Farhadul Islam**, Sarah Zabeen, A. B. M. Alim Al Islam, and Jannatun Noor.
2022	**Lecture on Monte Carlo Simulations** ⧉
	CSE474 - Simulation & Modeling, BRAC University
	Invitation from the course instructor to take a class on Monte Carlo Simulations.

🏠 CLUBS

Robotics Club of BRAC University - ROBU ⧉
Secretary of Research & Project Management
- Contest organizing, Rule Books, Guiding Freshers. Moreover, prepared videos on Basics of Robotics for new comers, which is available on YouTube.
- Recognition Certificate ⧉