



Md. Farhadul Islam

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

in Md. Farhadul Islam 📧 farhad324 🆔 0000-0003-3249-4490 🌐 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 – 04/2022 **Student Tutor**
BRAC University ✓
Course(s):

- **CSE221** - Algorithms
- **STA101** - Introduction To Statistics

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 **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 Maling 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".
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/Keras was used.


ONLINE COURSE CERTIFICATIONS

2021	DeepLearning.AI Tensorflow Developer  <i>DeepLearning.AI</i>
2021	AI for Medicine  <i>DeepLearning.AI</i>
2021	Machine Learning Fundamentals with Python Track  <i>DataCamp</i>

PRESENTATIONS & LECTURES

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