Abdul Al Mamun

CONTACT

1236 Dhaka, Bangladesh
(Home)

mamunbdit09@gmail.com

(+880) 1521494271

Technical Skills

Libraries and Frameworks:

- NumPy
- Pandas
- Matplotlib
- Seaborn
- Scikit-Learn
- Keras
- PyCaret
- TensorFlow
- Plotly

Programming Skills

- Python
- C
- Git
- SQL
- Excel

Data Skills:
Data Mining, Data Analysis, Data Cleaning, Data Visualization, Data Preprocessing

Machine Learning Algorithm:

- Regression
- Classification (Logistic regression, KNN, SVM, Decision Trees)
- Unsupervised Learning(clustering)

Deep Learning Algorithm:

- ANN
- CNN

❖ Research Interests

- Health Informatics
- Data Mining
- Computer Vision
- Database
- Robotics
- Bioinformatics
- Human-Robot Interaction
- Machine Learning
- Artificial Intelligence
- Deep Learning

❖ Education

SECONDARY SCHOOL CERTIFICATE(SSC)
Barnamala Adarsha High School and College
Board: Dhaka Passing Year 2014
Result: **GPA 5.00**:(out of 5)

HIGHER SECONDARY CERTIFICATE
Govt. Science College
Board: Dhaka Passing Year:2016
Result: **GPA 5.00**(out of 5)

BSc ENGINEERING
Computer Science and Engineering
Tejgaon College, Dhaka (National University)
Passing Year: 15/12/2023
Result-3.08(out of 4) (**3.3 in last 3 semesters)**

CERTIFICATION:

- Machine Learning Specialization
- Deep Learning Specialization
- Applied Data Science Specialization
- Mastering Data Analysis in Excel
- Data Science Math Skill
- Doing More with Google Sheet
- Geospatial Analysis (basic from Kaggle)

PERSONAL SKILLS:

- Critical Thinking
- Problem-Solving
- Oral and Written Communication
- Leadership
- Time Management

❖ Research Paper:

International Journal: (Frontiers)

Journal Paper: *CSXAI: A LightWeight 2D CNN-SVM Model For Detection and Classification of Various Crop Diseases with Explainable AI Visualization (Under review)*

❖ Projects

Name	Description	GitHub Link
Heart Disease Analysis And Prediction Using ML Algorithms	This is one of my favorite projects because I did so much research and was so interested in heart disease so I collected data from Kaggle and implemented libraries I have learned for data analysis (NumPy, pandas), visualization (Matplotlib, seaborn) tools like Plotly, and then used PyCaret ml workflow to find out the best ml model fit for this dataset to predict as if the patient has heart disease or not depending on the key	https://github.com/PassionateAbdullah/Heart-Disease-Analysis-and-prediction
Smart- Farming Advance crop Disease and Recognition using CNN-SVM and Explainable AI	In this project a CNN-SVM hybrid model was built for 4 plant disease and healthy classes and classified between those classes using this model, this model got 99.09 accuracy for the validation set and 99.11 forthe training set	https://github.com/PassionateAbdullah/-Smart-Farming-Advanced-Crop-Disease-Recognition-and-Classification-using-CNN-SVM-with-Grad-Cam
Skin Disease ClassifierML Web App	In this project I tried to build a web app where that can classify a picture uploaded by the user is it cancerous or non-cancerous. That means it can detect skin cancer by the picture, its accuracy rate is more than 90%	https://github.com/PassionateAbdullah/skin-disease-ml-web-App
Housing Price Prediction	This is a data science project. It was amazing work for me to collect a house price data set, analyze, clean, reshape, work with outliers then visualize those key factors in the dataset to understand easily using charts, correlation matrix, etc. After that built some ml models to predict the price depending on the highly co-related data and compare them to come with thebest model	https://github.com/PassionateAbdullah/Housing-Price-Prediction