

EFTI SHIRAZ

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EDUCATION

Bachelor of Computer Science and Engineering
comilla University,Bangladesh

⌚ Jan 2019 – may 2024 GPA - 3.26/4

Masters of Computer Science and Engineering
comilla University,Bangladesh

⌚ Expected: Sep 2025 GPA: Pending (result not yet published)

PROJECTS

Projects

Political Affiliation Prediction using Demographic and Psychological Features (Ongoing) Jun 2025 – Present

- Developing a machine learning model using ANES 2024 dataset to predict political party affiliation.
- Applying demographic and psychological features for classification tasks.
- Exploring LLM + RAG-based insights into polarization.

Bengali Character(Shatakia) Classification

- Developed a Convolutional Neural Network(CNN) model to predict hand written digits on Customize Bangla character dataset.
- This is selection by under UCG scholarship project

An IoT-based Irrigation Alert System for Bangladesh

- Developed a low-cost IoT system using sensors and GSM to alert farmers about optimal irrigation times.
- Aimed to improve water efficiency and crop yield for rural Bangladeshi agriculture.
- This is selection by under UCG scholarship project

Mobile SkinDoc: Lightweight Transfer Learning Fusion of MobileNet and EfficientNet for Skin Disease Classification on Mobile Devices

- Final year Thesis
- Propose an automated framework for skin disease recognition based on pre-trained CNN architectures .For a more robust and generalization model, augmentation and transfer learning techniques are included.
- Propose and implement a Android application to recognize skin diseases remotely

Student Result Management System

- web based application to store and manage student details and results using PHP and MySQL

ACHIEVEMENTS

- Winner at ESDG4BD Grace Hopper Girls Programming Camp: Individual Programming
- Participated in the 2022 National Girls' Programming Contest (Rank:20)
- Participated in the Ada Lovelace National Girls' Programming Contest 2022 (Rank:27).

PROGRAMMING SKILLS

C++ Python PHP MySQL
machine learning Matlab HTML

TOOLS UTILITIES

- Keras • tkinter • Tensorflow • Pytorch
- scikit-learn • pandas • Anaconda Navigator • Google Colab • Visual Studio • Pycharm • Codeblocks

FIELD OF INTEREST

- Competitive Coding
- Web Development
- Machine Learning

COURSEWORK

- Data Structure
- Design and Analysis of Algorithms
- Object Oriented programming (C++)
- Discrete Mathematics
- Operating Systems
- database systems
- Computer Architecture and Organisation

EXPERIENCE

Reaserch Assistant | Comilla University
February,2023-January,2025
Implemented deep learning algorithms and prepared technical reports for collaborative research projects.

REFERENCES

Mahmuda Khatun
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