Md.Sayeeduzzaman

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EDUCATION

Bangladesh University of Engineering and Technology — Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering — CGPA: 3.01/4.0(current) — February 2020 – March 2025(approx)

Notre Dame College, Dhaka — Dhaka, Bangladesh

Higher Secondary Certificate, Science — GPA: 5.0/5.0 — July 2017 – June 2019

Motijheel Govt. Boys' High School — Dhaka, Bangladesh

Secondary School Certificate, Science — GPA: 5.0/5.0 — January 2010 – December 2015

SKILLS

Programming Language	Frameworks	Operating System & Others
C++	Django	Git
Python	Django DRF	RabbitMQ
JavaScript	Symphony	Redis
Java	Bootstrap	Docker
C	VueJS	Windows
MIPS 8086	Angular	Ubuntu
SQL	Langchain	Raspbian OS

PROJECT WORK

EPL Players' Draft *EPL Players' Draft* —Java Project

java, javafx 2021

A web application for drafting English Premier League (EPL) players, enabling users to create and manage personalized fantasy teams

- Built an EPL Players Draft app with real-time player selection and stats integration
- Optimized data accuracy, algorithm, and UI responsiveness.
- Delivered a user-friendly tool for managers and fans to streamline drafting.

Teledoc *TeleDoc* — Database Project

NodeJS, React, CSS, SQL, bootstrap 2022

A telemedicine platform connecting patients with doctors for virtual consultations and healthcare management.

- Developed a platform for remote doctor consultations and appointment management
- Processed secure data handling, real-time communication, and user accessibility.
- Enabled seamless doctor-patient interactions with a user-friendly interface and robust backend.

Jobify *JOBIFY* — Software Development Project

NextJS, CSS, MongoDB, Agora React UIKit 2023

A job portal web application designed to connect job seekers with employers, featuring job postings, applications, and user management.

- Built a platform connecting job seekers and employers with advanced search and matching features.
- Intigrated real-time updates, ensuring data security, and optimizing the recommendation system.
- Delivered an efficient, user-centric solution to streamline job hunting and recruitment.

HAR Model Optimization *HAR Analysis* —ML Project

TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, scikit-learn. 2024

A project for Human Activity Recognition (HAR) analysis using machine learning techniques to classify activities based on sensor data.

- Developed a Human Activity Recognition (HAR) analysis system using machine learning for accurate activity classification.
- processed sensor data, optimized model accuracy, and managed computational costs.
- Achieved robust classification with a user-friendly implementation for real-world applications.

Computer Graphics *Computer graphics* — Computer Graphics Project
C++, OpenGL 2023
A collection of computer graphics projects and algorithms demonstrating 2D and 3D rendering, transformations, and visualizations.
- Created a Computer Graphics project showcasing 2D and 3D rendering techniques with interactive visualizations.
- Implemented transformations ensuring frame rate stability and debugging rendering errors
- Delivered visually engaging graphics with efficient algorithms and a user-friendly interface.

Computer Security Tool *The Hive* —Computer Securtiy Project 2023
A community-driven platform designed to foster collaboration, idea-sharing, and networking among users with common interests.
- Worked on a collaborative platform for team communication and project management.
- Observed real-time synchronization, user authentication, and ensuring scalability for large teams.
- Delivered a feature-rich, intuitive solution to enhance team productivity and collaboration.

Customizable Feed-Forward Neural Network: Apparel Classifier *FashionMNIST* —ML Project
TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, scikit-learn. 2024
A FFN and CNN Model for detecting the apparels.
- Optimized model accuracy tuning hyperparameters and preventing overfitting.

LR with bagging and stacking *LR with Bagging and Stacking* —ML Project
TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, scikit-learn. 2024
Implemented a Logistic Regression classifier with ensemble methods such as bagging and stacking, applied to multiple datasets with comprehensive preprocessing, performance evaluation using comparative metrics, and reproducible coding in Python, submitted as a Jupyter Notebook alongside a detailed report.
- Developed a machine learning project combining Logistic Regression with bagging and stacking techniques for enhanced predictive accuracy.

RESEARCH INTEREST

- Distributed systems
- Human Computer Interaction
- Real-Time Data Processing
- Software Engineering
- Dynamic Reporting Systems
- Context-Aware Computing
- Database systems
- Machine Learning
- Deep learning

RESEARCH EXPERIENCE

Undergraduate Thesis :Detecting Objects using knowledge distillation
Supervisor - Dr. Md. Monirul Islam(Professor, CSE, BUET)
- Training yolo v10, yolo v8m, RetinaNet, FasterNet with KITTI, COCO, Udacity datasets
- Comparing their confusion metrices
- Finding the best model for each datasets