Mehedi Hassan

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Objective

A Computer Science graduate seeking an opportunity to apply my academic and technical skills to real-world challenges. I am eager to learn, contribute, and grow as a professional in the software development industry.

Skills

- **Programming Languages:** Python, C

- **Web Development:** PHP, HTML, CSS, JavaScript, Laravel, Django

- **Database:** MySQL

- **Design Pattern:** MVC

- **ML Models:** KNN, Logistic Regression, Decision Tree, SVM, Random Forest, BiLSTM, BERT, BanglaBERT, Multilingual BERT

- **Word Embeddings:** GloVe, FastText

Education

■ Bachelor of Science (B.Sc.)

Institution name	: BRAC University
Department	: Computer Science and Engineering (CSE)
Duration	: 2020–2024
CGPA	: 3.27 out of 4.00

■ Higher Secondary Certificate (HSC)

Institution name	: Dhaka Ideal College, Tejgaon, Dhaka
Group	: Science
Year of Completion	: 2019
GPA	: 4.08 out of 5.00

■ Secondary School Certificate (SSC)

Institution name	: Bangladesh Muktijodha Ucha Bidyalay, Dhaka
Group	: Science
Year of Completion	: 2016
GPA	: 4.94 out of 5.00

Projects

- **Bus Management System:** A web-based ticket booking system built using core PHP and MySQL. Features include passenger registration, seat selection, ticket booking, and an admin panel for managing buses, schedules, and users. Emphasizes session-based authentication and complete CRUD functionality.
  GitHub: [Bus-Management-System](#)

- **Computer Parts Retailer Website:** A full-stack e-commerce platform built with Laravel for purchasing PC components. Features include product catalog with filtering, shopping cart, user reviews, and an admin dashboard for inventory management. Utilizes Laravel's resource controllers, middleware, and UI with Blade and Bootstrap.
  GitHub: [Computer-Parts-Retailer](#)

- **Online Drug Store Website:** A full-stack e-commerce website developed using Laravel for purchasing medicines. Supports user registration and login, product browsing, shopping cart, checkout, and invoice generation. Built with Laravel's MVC architecture, Eloquent ORM for database management, route protection, and Blade templating for frontend rendering.
  GitHub: [Drug-store](#)

- **Object Detection (YOLOv8):** A computer vision project that detects and localizes signboards in images using the YOLOv8 model. Trained on a custom dataset for high-accuracy object detection.
  GitHub: [YOLOv8-Object-Detection](#)

Thesis

Bengali Sentiment Analysis Based on Product Reviews: Unveiling Consumer Voices

Collected Bengali product reviews from Daraz to build a labeled dataset categorized by product ratings. The dataset was categorized into three sentiment classes. Trained and evaluated multiple Machine Learning (ML) and Deep Learning (DL) models to predict sentiment from the reviews.

Paper: [dspace.bracu.ac.bd](#)

Code: [Bangla Sentiment Analysis on GitHub](#)

Interests

- Software Development
- Machine Learning (ML)

Reference

Dewan Ziaul Karim, Lecturer, Department of CSE, BRAC University
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