Bm Fatiur Rahman

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🔗 bmfatiur.github.io   in bmfatiur   ⌗ bmfatiur

Education

Pabna University of Science and Technology (PUST), Bangladesh   2022 (Held in 2025)
B.Sc. Engg. in Computer Science and Engineering
CGPA – **3.44** on the scale of 4.00

Higher Secondary Certificate (HSC)   2018
Bheramara College, Kushtia, Bangladesh
Group: Science; Board: Jessore
GPA – **5.00** on the scale of 5.00

Secondary School Certificate (SSC)   2016
Bheramara High School, Kushtia, Bangladesh
Group: Science; Board: Jessore
GPA – **5.00** on the scale of 5.00

Areas of Interest

Computer Vision, with a focus on object detection and recognition, object tracking, activity recognition, pose estimation, visual tracking, video surveillance, and UAV-based video analysis

Research Experience

Title: YOLO-Based Framework for Automatic Detection and Recognition of   Jan 2025
Bangla License Plates [*Undergraduate Thesis*]

Professional Experience

District IT   Pabna, Bangladesh
District Statistics Office   Dec 10, 2024 – Dec 26, 2024

- Managed district-level IT operations for Economic Census-2024, supporting over 1,800 numerators via Bangladesh Bureau of Statistics' Integrated Census Management System (ICMS)
- Coordinated divisional and national teams of the Bangladesh Bureau of Statistics (BBS) to uphold integrated system functionality and deliver timely technical support
- Maintained uninterrupted digital data collection by providing strategic IT guidance, system maintenance, and frontline support throughout large-scale enumeration activities

Private Tutor   2021 – Feb 2025

- Provided private tutoring to secondary school students (Grades 9 and 10) in **Higher Mathematics**, **General Mathematics**, **Physics**, and **Chemistry**, focusing on conceptual understanding and academic performance enhancement

Projects

A Machine Learning Web App for Early Detection of Sleep Disorders   *Link* ☒

- A web-based application developed with Laravel that leverages a trained Random Forest Classifier to analyze user sleep data and predict potential sleep disorders. It features an intuitive user interface and delivers accessible insights to support early detection
- Tools Used: Laravel, Flask, MySQL, Pandas, Joblib, Numpy, Matplotlib, Scikit-learn and so on

Design and Implementation of a Web-Based E-Commerce Application   *Link* ☒

- Built a scalable Laravel-Docker e-commerce platform for Padma Oil Mill Ltd, integrating advanced admin controls, dynamic product management, and a seamless user experience

- Tools Used: PHP, Laravel, Docker, JavaScript, Bootstrap, Tailwind CSS, Toastr, SweetAlert, Dropify, Image Intervention Library, Select2, Chart.js, Carbon, anayarojo/shoppingcart

Debate Tabulation and Messaging Desktop Software *Link* ⬈
- Developed a desktop application for managing debate tabulations and real-time judge communication, featuring an intuitive Java Swing interface and socket-based messaging for coordination during events
- Tools Used: Java, Java Swing, Socket Programming, NetBeans IDE, Java AWT, Java I/O, Calendar and Date APIs

Technical Skills

Programming Languages: C, C++, Java, Python, PHP, JavaScript, Dart, Prolog, Assembly Programming Language

Frameworks and Libraries: PyTorch, Laravel, OpenCV, scikit-learn, NumPy, Pandas, Matplotlib, Flutter, Java Swing, iGraphics (C++)

Others: Linux, MySQL, Intel 8085/8086 Microprocessor Architecture, Git, Jupyter Notebook, LaTeX

Achievements

3rd Place, PUST CSE Before-Eid Programming Contest (Prize Recipient)

9th Place, Monthly Programming Contest, organized by CodePanja (Prize Awarded)

Participant, 2022 ICPC Asia Dhaka Regional Site Online Preliminary Contest

Tab Director, CDC District Intra 1.0, Debate Competition organized by Chatmohar Debate Club

Core Adjudicator, Aal Izz Well : PUSTDS Fresher's Tournament 2025

Champion Team, PUSTDS Freshers' League 2019, organized by PUST Debating Society

Certificates

Completed **200 hours of training** in Cross-Platform Mobile Application Development, organized by the ICT Division, Government of Bangladesh

Completed the **Introduction to Git and GitHub** course, offered by **Google**

Co-Curricular Activities

General Secretary, Solver Green	2023 - 2024
Joint General Secretary, PUST Debating Society	2023 - 2024
Joint General Secretary, Arshinagar – Kushtia District Students' Welfare Association, PUST	2023 - 2024

References

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