Sazzad Mahmud Joy

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Home: Chandra, Gazipur, Bangladesh

CAREER OBJECTIVE

- Junior Web Developer with foundational experience in UI/UX design, responsive web development, database management, and problem-solving. Passionate about AI/ML applications with a strong interest in deep learning and machine learning research. Highly motivated to learn continuously and grow into a Senior Developer through hands-on project experience, collaboration, and mentorship.

EDUCATION

- **Bachelor of Science (B.Sc.) in Computer Science and Engineering (CSE)**
  Daffodil International University, Savar, Dhaka, Bangladesh.
  CGPA: 3.54 *(current CGPA)* | **Year:** 2022-Present

- **Higher Secondary Certificate (HSC)**
  National Ideal College, Khilgaon, Dhaka, Bangladesh.
  GPA: 5.00 | **Year:** 2020

- **Secondary School Certificate**
  Tangail Residential School and College, Ashulia, Dhaka, Bangladesh.
  GPA: 5.00 | **Year:** 2018

PROJECTS

- **Bazar Shadai (Mobile Application)**
  Technologies: Flutter, Firebase, REST API
  - Developed a mobile e-commerce app with user authentication, product catalog, cart management, and real-time order tracking using Firebase.

- **Bazar Shadai (Web Application)**
  Technologies: HTML, CSS, JavaScript, PHP, MySQL, Laravel
  - Built a responsive e-commerce web application with product management, order processing, checkout workflow, and MySQL-backed data handling, including an admin panel for managing products and orders.

- **Full-Stack Dynamic Portfolio Website**
  Technologies: HTML, CSS, JavaScript, PHP
  - Developed a full-stack portfolio website with dynamic project management, backend content control, responsive UI/UX design, and optimized site performance for faster loading and accessibility.

- **SmartBarrier - An IoT-based smart fencing system for theft detection**
  Technologies: Python, IoT Sensors, Camera Module
  - Developed an IoT-based smart security fencing system with intrusion detection, sensor-triggered alarms, camera-based image capture, and real-time monitoring for residential and industrial use.

PUBLICATIONS

1. **Potato Leaf Disease Classification Using Modified DenseNet169 with Explainable AI Support.**
   Taylor & Francis Book Chapter (2025) | Presented at BIM 2025.
   Keywords: Deep Learning, Computer Vision, XAI, Image Classification.
   Authors: Sazzad Mahmud Joy, Anika Afrin Moumeta, Rokonozzaman Ayon, Md. Asif Shahriar Arpon, Mr. Mahimul Islam Nadim & Zahura Zaman.

2. **Automated Detection of Colorectal Polyps Using Deep Learning Techniques**
   16th ICCCNT 2025 (IEEE Conference), IIT Indore, India
   Keywords: Deep Learning, Medical Imaging, CNN, Computer Vision
   Authors: Songit Roy, Nagib Mahfuj, Anika Afrin Moumeta, Sazzad Mahmud Joy, Ratan Mia & Sadman Sadik Khan.

SKILLS

Technical Skills

- **Frontend:** HTML | CSS | JavaScript | Bootstrap | Tailwind CSS
- **Backend:** PHP | REST API
- **Database:** MySQL

- **Machine Learning:** Supervised | Unsupervised | Tuning
- **Deep Learning:** ANN | CNN | Transfer Learning | Segmentation | Image Classification
- **Libraries:** TensorFlow | Pandas | NumPy | Seaborn | Matplotlib
- **Programming Language:** Python | C | Java
- **Tools:** Git | GitHub | MS Word | MS Excel | MS PowerPoint

Others

- **Soft Skills:** Leadership | Communication | Presentation | Teamwork | Fast Learner
- **Language:** Bangla (Native Speaker) | English (Advanced) | Hindi (Basic)

ACHIEVEMENTS/CERTIFICATES

- Awarded a 55% tuition waiver under the DIU merit scholarship program
- Completed "Basics of AI" from 10 Minute School
- Completed "Communication Hacks" from 10 Minute School
- Completed "Introduction to Liberal Values" from GoEdu
- Attended DIU Cybercon 2025 workshop

REFERENCES

- **Mr. Mahimul Islam Nadim**
  Lecturer
  Department of Computer Science and Engineering
  Faculty of Science and Information Technology
  Daffodil International University
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- **Rokonozzaman Ayon**
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Signature