

# MD SAIFUL ISLAM

## CSE Graduate, Software Engineer

@saifulislamreza48@gmail.com +8801951225433  
North Ibrahimpur, Dhaka Cantonment, Dhaka-1206, Bangladesh  
LinkedIn Github Kaggle Portfolio



## WORK EXPERIENCE

### Associate – Air & Ocean Operations

#### Zenov BPO Ltd

6th Sept 2024 – Jan 2025 House 2/A, Gulshan-2, Dhaka

- Managed and coordinated air and ocean freight operations, ensuring timely and efficient shipment processing.
- Assisted in documentation, compliance, and data management for freight forwarding and logistics operations.
- Communicated with international clients and carriers to track shipments and resolve operational issues.

### Freelance Researcher

#### Livingston Research

11th October 2024 – Present Remote

- Conducted in-depth research on Generative AI, analyzing models like GANs and VAEs.
- Evaluated applications in art, image, and content creation, and explored ethical challenges such as authorship and misinformation.
- Published findings in a detailed report, contributing to the understanding of AI's societal impact.

### Bid Writer

#### PAM Group Ltd

April 2024 – September 2024 Remote

- Created compelling bids and proposals to generate new business for PAM Group in Occupational Health, Physiotherapy, and Day One services sectors.
- Conducted thorough research to understand client needs.

## RESEARCH

### Researched on – Generative AI Meets Responsible AI and Affective Computing

#### BRAC University

Jan 2024 – Dec 2024 Dhaka, Bangladesh

- Conducted research on integrating Generative AI, Responsible AI, and Affective Computing to develop emotionally intelligent AI systems.
- Designed and implemented multimodal emotion recognition models using text, audio, and image data, achieving 79% F1-score for text emotion recognition.
- Employed Generative Adversarial Networks (GANs) and Natural Language Processing (NLP) to generate contextually relevant and ethical responses.

## PROFESSIONAL STATEMENT

Motivated Computer Science and engineering graduate with hands-on experience in software development using Laravel, PHP, and JavaScript. Skilled in building full-stack web applications, problem-solving, and collaborating with cross-functional teams. Seeking an entry-level software engineering role to leverage my technical expertise and contribute to innovative solutions.

## EDUCATION

### Bachelor of Science in Computer Science & Engineering

#### BRAC University

Jan 2021 – Dec 2024 Dhaka, Bangladesh

- CGPA: 3.43/4.00
- Relevant Coursework: Data Structures, Algorithms, Database Systems, Software Engineering, Web Development

### Higher Secondary Certificate (HSC), Science

#### GOVT. ASHEK MAHMUD COLLEGE, JAMALPUR

2017 – 2019 Jamalpur, Bangladesh

- GPA: 4.33/5.00

### Secondary School Certificate (SSC), Science

#### JAMALPUR ZILLA SCHOOL, JAMALPUR

2011 – 2017 Jamalpur, Bangladesh

- GPA: 5.00/5.00

## MOST PROUD OF

### Generative AI Research

Conducted in-depth research on Generative AI, analyzing models like GANs and VAEs, and published findings in a detailed report.

- Addressed ethical concerns in AI, such as bias and transparency, by incorporating Responsible AI principles.
- Published findings in a thesis, demonstrating applications in virtual assistants, psychological therapy, and educational platforms.

## PROJECTS

### Online Tailoring Shop (Laravel Project)

📅 July 2023 – August 2023

- Developed a full-stack e-commerce platform using Laravel (PHP), MySQL, and Bootstrap.
- Implemented user authentication, product search, and payment gateway integration.
- Designed an intuitive user interface, improving customer engagement by 30%.

### React To-Do App

[View Live App](#)

- Built a To-Do application using React and Tailwind CSS for a clean and responsive user interface.
- Implemented features like task creation, editing, and deletion with local storage for data persistence.

### Weather App (React)

[Live Demo](#)

- Created a weather application using React and the OpenWeatherMap API.
- Designed a responsive UI to display real-time weather data based on user location.

### Multimodal Emotion Recognition System

- Developed a system to recognize and generate human emotions using text, audio, and image data.
- Utilized Naive Bayes for text classification, EfficientNetB7 CNN for image analysis, and Sequential Deep Learning for audio emotion recognition.
- Combined results using ensemble modeling to improve accuracy and ensure affective computing.
- Tools: Python, TensorFlow, OpenCV, MySQL.

## SKILLS & PROFICIENCIES

- **Programming Languages:** PHP, JavaScript, Python, HTML, CSS, Assembly Language
- **Frameworks & Libraries:** Laravel, React, Bootstrap, Tailwind CSS, TensorFlow, PyTorch
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, Docker, VS Code, VideoFileClip, Mel-spectrogram analysis
- **APIs:** RESTful API Development, JSON
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Time Management



### Multimodal Emotion Recognition System

Developed a system to recognize and generate human emotions using text, audio, and image data, achieving 79% F1-score for text emotion recognition.



### Online Tailoring Shop

Developed a full-stack e-commerce platform using Laravel, improving customer engagement by 30%.

## STRENGTHS

Hard-working

Eye for detail

Problem-Solving

Team Collaboration

PHP

Laravel

JavaScript

React

Python

TensorFlow

## VOLUNTEER WORK & CERTIFICATION

### Programming Contest Participation

- **BRAC University Intra CSE Programming Contest (2023)** – Secured a **Top 10 Finalist** position among top programmers.
- **TIB Idea Contest 2024 (HydroFuture Bangladesh)** – Finalist for proposing an innovative project on hydrogen as a renewable energy source.

### Science Fair Award

**National Museum of Science and Technology**

📅 June 2016

- Won the science fair for the project titled "Establishing Home-Based Industries to Enrich Bangladesh's Economy".
- Received a certificate and a medal for outstanding performance.

## REFERENCES

- Available upon request.