

# Md. Tanvir Jawad

Computer Science Major - BRAC University, Bangladesh.  
Former Exchange Student - BARD College, New York, USA.



tanvirjawad73@gmail.com



+8801770214193



1-kha, 5/6 Quarter,  
Mirpur-1, Dhaka-1216,  
Bangladesh.

Github: [TanvirJawad](#)

## CAREER OBJECTIVE

I have pursued a Computer Science degree at BRAC University, with a passion for autonomous navigation, deep learning, machine vision, and machine learning. I am actively working on remote sensing, satellite imagery and GeoAI for disaster management. Continuously exploring the latest tools and techniques, I am eager to contribute to cutting-edge projects. I have a proven ability to communicate effectively with both technical and non-technical stakeholders and a strong record of collaborative achievements in the field of Climate and Sustainability.

## EDUCATION



Bard College

**BARD College, New York, USA**  
Exchange Student, Computer Science  
*January 2024 - May 2024*



**BRAC University, Dhaka**  
Bachelor of Science in Computer Science  
CGPA - 3.75/4.00  
2021 - 2025



**St. Joseph Higher Secondary College, Dhaka**  
Higher Secondary Certificate, Science  
GPA - 5.00/5.00  
2018 - 2021



**Cambrian School and College, Dhaka**  
Secondary School Certificate, Science  
GPA - 5.00/5.00  
2012 - 2018

## SKILLS

**Software Development:**  
MySQL, PHP, HTML,  
CSS, JavaScript, React.js,  
Next.js, CSS

**Autonomous Systems:**  
ROS (Robot Operating  
System), Linux

**Programming**  
**language:** Python, Java

**Others:** Overleaf,  
emu-8086, Git-Github,  
WordPress, OpenCV,  
Google Sheets

## LANGUAGES

- English (Fluent)
- Bengali (Native)

## HOBBIES:

Chess, Singing & Board  
Games

## PROJECTS

- **Publications:**

1. Multi-Scale Feature Fusion with Adaptive Attention for Robust Image Deblurring.
  - Conference: IEEE EUROCON 2025 - 21st International Conference on Smart Technologies At: Gdynia, Poland. DOI: [10.1109/EUROCON64445.2025.11073437](https://doi.org/10.1109/EUROCON64445.2025.11073437)
  - Publisher: IEEE
2. Riverbank Change Detection in the Jamuna River Basin, Bangladesh: A Remote Sensing and Machine Learning Approach.
  - Published in: 2025 International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA). DOI: [10.1109/ACDSA65407.2025.11166394](https://doi.org/10.1109/ACDSA65407.2025.11166394)
  - Publisher: IEEE

- **Thesis:**

Deep Learning Approaches for Monitoring Riverbank Changes in Rivers of Bangladesh: Data Gap Filling Using Generative Adversarial Networks and Self-Supervised Segmentation of Sentinel-1 Imagery. (*September 2024 - June 2025*)

- Supervisor: Prof. Dr. Md. Golam Rabiul Alam

- **Research Papers:**

1. An Optimal Cyclone Evacuation Algorithm for Enhanced Disaster Preparedness.
  - Github: <https://github.com/showrin20/Evacuation-Simulation-Algorithm/tree/main>

- **CrisisCrew - CEO**

Developed CrisisCrew, a Disaster Response Platform. Prototyped using HTML, CSS, JavaScript, PHP, and MySQL. Targets global crisis responders with unique features, emphasizing collaboration in the Go-to-Market Strategy. Utilizes a Subscription-Based Model with a free tier ("Crisis Responders") and paid tier ("Enterprise Solutions"). CrisisCrew is a revolutionary Disaster Response and Mitigation Platform designed to empower crisis responders and organizations. It streamlines disaster response efforts with efficiency and precision. Github: <https://github.com/TanvirJawad/CrisisCrew30>

## ACTIVITIES

- **Former President, BRAC University Chess Club - (Spring 2024 - Spring 2025)**
  - Organized various club activities and tournaments.
  - Lead organizer of the **BRACU Spring 2025 Chess Festival Open Rated Tournament**, a national Swiss event with 195 participants from institutions nationwide, including Dhaka University and SUST. Featured top players like IM Mohammad Fahad Rahman and FM Syed Mahfuzur Rahman, with prizes awarded by the Chief Arbiter of Bangladesh Chess Federation, BRAC University Registrar Dr. Dave Dowland, and National Women's Chess Champion Yesmin Begum.
  - Participated in various National tournaments (National Second Division Championship, 2022, etc.).
  - Was involved with the **BRACU School Chess Project** (Teaching Underprivileged children in T&T, Mohakhali)
  - Campus Ambassador in the **Notre Dame National Carnival**, 2022 & 2023.

## Honors & Awards

- Awarded OSUN Undergraduate Mobility scholarship at Bard College, New York, USA. Covering: tuition fees, accommodation, living costs, insurance, and travel. Besides personal and academic exploration, I have worked on my project, CrisisCrew, focusing on disaster resilience. (*January 2024 - May 2024*).
- Internationally Rated Chess Player.
- Best Campus Ambassador Awardee, NDCC Carnival, 2022
- Placed 2nd in Inter-University Blitz Tournament, Dhaka University, 2021.
- Multiple-time Champion in BRACU Intra University Chess Championships.
- National Scholarship Recipient - JSC Examination, 2015.

## Reference

### Sahib Kowsar

Lecturer, Department of Computer Science & Engineering

BRAC University

Email: [sahib.kowsar@bracu.ac.bd](mailto:sahib.kowsar@bracu.ac.bd)

Phone: +880 17 7497 7599