

# MD. AFFAN HOSSAIN RAKIB

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## PROFILE STATEMENT

This individual is a passionate aspiring software engineer with a strong enthusiasm for coding and problem-solving. He excels in building networks, aiming meaningful connections, and leveraging exceptional communication and leadership skills to collaborate effectively and drive impactful results.

## EXPERIENCE

### RS Machine Learning Activity

Oct '25 – Present

*Instructor*

*Dhaka, Bangladesh*

- Conducting hands-on sessions for 30+ students on core Machine Learning concepts using Python, including supervised and unsupervised learning.
- Designing practical exercises and mini-projects to strengthen students' understanding of algorithms such as Decision Trees, Linear Regression, and K-Means.
- Guiding participants in implementing ML models using popular libraries like **scikit-learn**, **pandas**, and **matplotlib**, fostering both theoretical and practical expertise.

### BUCC Study Corner

Feb '24 – Present

*DSA Insturctor*

*Dhaka, Bangladesh*

- Assisted fellow club members in mastering Data Structures (CSE220) and Algorithms (CSE221) through regular study sessions since February 2024.
- Taught programming concepts to over 50 individuals, focusing on practical applications and problem-solving.
- Fostered a collaborative learning environment, enhancing peers' understanding of complex concepts and improving their academic performance.

## SKILL SETS

- Programming
- Teaching
- Google Sheet
- Presentation
- Leadership
- Communication

## EDUCATION

### BRAC University

*Bachelors in Computer Science and Enginnering, CGPA: 3.78, Expected Graduation: August 2026*

Sep '23 – Present

*Dhaka, Bangladesh*

### B. A. F. Shaheen College

*HSC - Higher Secondary Certificate, GPA: 5.00 out of 5.00*

Jun '19 – Dec '21

*Dhaka, Bangladesh*

### Ideal School And College

*SSC - Secondary School Certificate, GPA: 5.00 out of 5.00*

Jan '17 – Feb '19

*Dhaka, Bangladesh*

## LEADERSHIP / EXTRACURRICULAR

### BRAC University Computer Club

Feb '23 – Present

*Treasurer*

*Dhaka, Bangladesh*

- Overseeing operations of 7 departments with 1400+ active members, ensuring alignment between student initiatives and university policies.
- Managing club finances including budget planning, expense tracking, and sponsor negotiations to support large-scale events.
- Collaborating with faculty advisors, external partners, and the executive team to organize technical workshops, competitions, and seminars.

### 16<sup>th</sup> Convocation of BRAC University

Feb '25

*Volunteer*

*Dhaka, Bangladesh*

- Served as a program committee leader, supervising a team of volunteers to ensure smooth event operations.

- Maintained effective communication with senior university management to align volunteer tasks with ceremony requirements.
- Coordinated the organized distribution of graduation scrolls to a large number of graduates.

## **BUCC Bit Battles: Intra BRAC University Programming Contest**

**July '25**

*Organizer*

*Dhaka, Bangladesh*

- Oversaw end-to-end event execution, ensuring smooth coordination between technical and logistics teams.
- Liaised with the Online Judge (OJ) platform to configure contest settings, problem statements, and real-time monitoring.
- Collaborated with faculty, sponsors, and volunteers to deliver a seamless experience for 150+ participants.

## **TechConnect: Engineering & Computer Science Career Fair**

**Dec '24**

*Executive Volunteer*

*Dhaka, Bangladesh*

- Assisted in managing event operations, ensuring efficient coordination between company representatives, faculty, and participants.
- Facilitated booth setups and networking sessions for 40+ tech organizations, promoting student-industry engagement.
- Supported attendee registration and logistics management to ensure a professional and organized environment throughout the event.

## **IntraHacktive 1.0**

**Nov '24**

*Volunteer*

*Dhaka, Bangladesh*

- Coordinated food arrangements by communicating with vendors, negotiating prices, and finalizing event menus within budget.
- Contributed to smooth on-site execution during the event, assisting with logistics and participant management.
- Collaborated with organizing teams to ensure timely task completion and overall event success.

## **ACHIEVEMENTS**

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- Awarded a merit-based scholarship for total 6 semesters at BRAC University for academic excellence.
- Solved over **300+ problems** on various online platforms such as Codeforces and LeetCode, demonstrating strong problem-solving skills.
- Maintained an **80-day** streak on Codeforces, consistently solving algorithmic problems to improve problem-solving skills and strengthen competitive programming abilities.

## **PROJECTS**

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**Campus Nexus** | *React, Tailwind, Supabase*

**Sep '25**

- Built an integrated platform empowering university students to manage academics, schedules, and tasks seamlessly.
- Developed interactive modules including a dynamic lab routine visualizer, real-time library room availability checker, and task management dashboard.
- Implemented clean, responsive UI with Tailwind and optimized queries via Supabase for efficient data fetching.

**UniGo** | *React, Tailwind, Supabase*

**May '25**

- Built a digital platform integrating university cafeteria services and club activities into a single unified system.
- Developed a Club Events & Tours Management module allowing moderators to create event listings, manage fees, and set capacity limits.
- Delivered a responsive UI with Tailwind and optimized Supabase queries for seamless real-time data interaction.

**TourBuzz** | *MySQL, HTML, CSS, JavaScript*

**Sep '24**

- Engineered a scalable tour management system enabling users to organize, customize, and streamline trips.
- Designed and normalized the ER model & schema, ensuring data integrity and efficient query performance.
- Implemented backend logic for booking, package customization, and schedule generation using SQL and vanilla JavaScript.

## **INTERESTS**

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- Pushing the boundaries of Competitive Programming to solve complex algorithmic challenges..
- Sharing knowledge and mentoring aspiring developers through teaching and workshops.
- Exploring the latest advancements in AI and leveraging it to create innovative solutions.
- Developing impactful web applications, utilizing cutting-edge technologies to enhance user experiences.