

MD. SABBIR AKON

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CAREER OBJECTIVE

Motivated CSE undergraduate with expertise in Python, AI, and full-stack development, backed by proven leadership skills. Seeking to leverage technical proficiency and collaborative spirit to drive innovation in the software industry.

EDUCATION

Bachelor of Science in Computer Science and Engineering

May 2022 - Present

BRAC University, Dhaka

CGPA : 3.53 out of 4.00

TECHNICAL SKILLS

Languages	Python, C/C++, PHP, JavaScript, SQL
Web Development	React.js, Tailwind CSS, MERN Stack, HTML, PhpMyAdmin, WordPress
Data Science	Machine Learning, Deep Learning, PyTorch, Data Structuring
Tools & Hardware	Git, GitHub, Arduino IDE, STM32, Raspberry Pi
Soft Skills	Leadership, Event Management, Teamwork, Public Speaking

EXPERIENCE

ZENTORRA

May 2025 - Present

Junior Full-Stack Developer

- Working as a Software Developer, gaining valuable experience in software development lifecycles.
- Collaborating with a remote team to build and maintain software solutions.

BASIS Student's Forum

Jan 2025 - Present

Executive

Dhaka, Bangladesh

- Contributing to the forum's initiatives and engaging with the student tech community.

GAOTek Inc.

Nov 2023 - Mar 2024

Web Developer Intern (Remote)

United States

- Worked remotely on technical support and WordPress management tasks.
- Gained professional experience in a global team environment.

PROJECTS

Machine Learning & AI

Stochastic Resonance Clustering (SRC)

Aug 2025 - Sep 2025

Deep Learning Model

Python, PyTorch

- Developed a non-deterministic deep clustering model using a learnable stochastic element in an autoencoder's latent space.
- Solved the suboptimal local minima problem common in deterministic models by engineering "noise" to enhance signal detection.
- Outcome:** Outperformed standard K-Means and deterministic autoencoders on the Fashion-MNIST dataset.

Travel Insurance Claim Prediction

May 2025 - Jun 2025

Machine Learning Model

Python, AI

- Created a predictive model to assess the likelihood of travel insurance claims based on demographic and trip data.
- Utilized data preprocessing and feature engineering to improve prediction accuracy.

Web Development & Software Systems

Electromber

Jun 2025

Service Platform Prototype

React.js, Tailwind CSS

- Built an AI-powered platform connecting households with verified electricians and plumbers.
- Designed a system to ensure 30-minute service delivery and eliminate middlemen for fair pricing.

ClubSync

Apr 2025 - May 2025

Club Management System

MERN Stack

- Developed a full-stack web application to streamline university club operations.
- Features include event scheduling, member management, and centralized communication tools.

Automated River Cleaning Robot

Dec 2024 - Jan 2025

Robotics Project

Arduino, C++

- Built an autonomous robot using ultrasonic sensors for obstacle avoidance and waste detection.
- Implemented a conveyor belt system to automate the collection of floating river debris.

LEADERSHIP & CO-CURRICULAR

BRAC University Computer Club (BUCC)

Jul 2022 - Present

Assistant Director

Dhaka, Bangladesh

- Leading the Executive Board (2025) in strategic planning and execution of major tech events.
- Active participant in club activities since the first semester and promoted for strong communication and leadership capabilities.

BRAC University Leadership Development Forum

Mar 2024 - Present

Executive of Admin & External Affairs

Dhaka, Bangladesh

- Managing external affairs and sponsorships to accelerate leadership programs.
- Played a role in network development and partnerships.

Udayan Science Club

2020 - 2022

Joint Secretary

Dhaka, Bangladesh

- Managed team operations and organized science-related events and workshops.

CERTIFICATIONS & RECOGNITIONS

- **Champion**, AIUB Presents 7th DCSC National Science Exposition
- **6th Position**, 42nd National Science and Technology Week
- **Galactic Local Volunteer**, NASA - National Aeronautics and Space Administration
- **Volunteer**, BRAC UNIVERSITY 16th CONVOCATION

LANGUAGES

Bengali: Native/Fluent, **English:** Fluent, **Spanish:** Basic (Completed Language Course at BRAC University)

REFERENCES

1. K M Zaman

Thana Education Officer

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2. S.M. Farah Al Fahim

Former Lecturer, Dept. of CSE

BRAC University

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