

# 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

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

## EXPERIENCE

**ZENTORRA** May 2022 - 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**

<b>Electromber</b> <i>Service Platform Prototype</i>	Jun 2025
	<i>React.js, Tailwind CSS</i>
· 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.	
<b>ClubSync</b> <i>Club Management System</i>	Apr 2025 - May 2025
	<i>MERN Stack</i>
· Developed a full-stack web application to streamline university club operations.	
· Features include event scheduling, member management, and centralized communication tools.	
<b>Automated River Cleaning Robot</b> <i>Robotics Project</i>	Dec 2024 - Jan 2025
	<i>Arduino, C++</i>
· 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**

<b>BRAC University Computer Club (BUCC)</b> <i>Assistant Director</i>	Jul 2022 - Present
	<i>Dhaka, Bangladesh</i>
· 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.	
<b>BRAC University Leadership Development Forum</b> <i>Executive of Admin &amp; External Affairs</i>	Mar 2024 - Present
	<i>Dhaka, Bangladesh</i>
· Managing external affairs and sponsorships to accelerate leadership programs.	
· Played a role in network development and partnerships.	
<b>Udayan Science Club</b> <i>Joint Secretary</i>	2020 - 2022
	<i>Dhaka, Bangladesh</i>
· 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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