

# A.T.M. Masum Billah

Student, BRAC University

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MBMishu



## Personal Information

Date of Birth 20th September, 1999  
Nationality Bangladeshi  
Gender Male  
Father's Name Md. Abu Taleb Miah  
Mother's Name Fatema Akher Siddika

## Education

2018 - Present **Computer Science & Engineering - BRAC University, Dhaka, Bangladesh.**  
2015 - 2017 **HSC (Bangla Version) - Adamjee Cantonment College, Dhaka, Bangladesh.**  
2005 - 2015 **SSC (Bangla Version) - Monipur High School & College, Dhaka, Bangladesh.**

## Work Experience

2023- Present **Team Lead, Bracu Duburi .**  
2021- 2023 **General Secretary, Robotics Club Of BRAC University , Bangladesh.**  
2021- 2022 **Machine Vision Engineer, Bracu Duburi .**  
2021- 2022 **Full Stack Developer, Team Good Graphics.**  
2020- 2021 **Assistant Director, Robotics Club Of BRAC University , Bangladesh.**  
2020- Present **Co-Founder, Alo.**

## Skills

Programming Python, Java, C, Arduino  
Web Django, Rest Framework, Bootstrap, Angular, HTML, CSS, JavaScript, MySQL, Firebase  
Others Machine Learning, Computer Vision, Augmented reality, Android Studio, Robotics Operating System

## Projects

### Robotics

- **Bracu Duburi**  
BRACU Duburi team is working day and night to build a community of AUV and ROV hobbyists and enthusiasts to produce Industrial grade underwater vehicle solutions at affordable cost and build a test facility for the future generation of ROV enthusiasts in Bangladesh.
- **Drone Surveillance**  
By using OpenCV and yolov3 to identify objects in an video footage. Non-maximum suppression (NMS) has been used to eliminate duplicates and assign a unique identifier to each object and count the total number of objects in the junkyard. This allowed us to accurately keep track of the objects and their count.
- **ioBot**  
Autonomous rescue bot using computer vision. It can assist the victim on its own by sending them a health kit and a hammer, both of which can save their lives. It is also a data mining bot using pH, humidity, temperature, and moisture sensors.
- **Soccer bot**  
The goal of a soccer bot is to simulate the actions of a human soccer player and compete with other robots in a game of soccer.
- **Alo**  
Solar panel control by Bluetooth sensor and for control this developed a android app.
- **Ecglo**  
Bio Medical device using ECG, Emg, Gsr & Color Sensor.
- **Cansat**  
A CanSat is a simulation of a real satellite, integrated within the volume and shape of a soft drink can.

### Web & App

#### Projects

- **Allergic2Allergies**  
Designed and developed a blogging website using Django framework.
- **CgRealty**  
CG Commercial Realty is a real estate firm. Developed this website using HTML, CSS & JavaScript
- **Duburi web**  
Designed and developed this website using Django framework.
- **JoyJatra**  
Designed and developed this website for a hackathon event using Django framework.
- **identifier**  
Web based Augmented reality using Ar.js. Designed & Developed this to identify product using web based Augmented reality.
- **Easy payment app using SSL commerce**
- **Easy Life BD**  
Designed & developed a multi level marketing app.

## Awards

### International

- **Semi Finalist, Robosub 2022**

### Domestic

- **Winner, IC4IR, 2021**
- **Top-26, BIG Grant, 2021**
- **2nd at Hackathon, UAP Cse Carnival, 2020**
- **2nd at Poster presentation, UAP Cse Carnival, 2020**
- **1st at Poster presentation, IEEE Tourna Tech, 2019**
- **5th, Tech Fest at AIUB, 2018**
- **1st, ACC IT Festival, 2017**