A.T.M. Masum Billah

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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 Survilance**
  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**