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

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

Skills

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

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**