Mohammad Sayedul Mostain



About me

I am Mohammad Sayedul Mostain, from Bangladesh. Currently enrolled in Mechatronics Engineering program at Yildiz Technical University, Turkey. My academic pursuits are complemented by a profound engagement in coding, precise Power Distribution Board (PDB) design, and proficient soldering skills. My specialization lies in the dynamic fields of IoT and AI projects, where I am motivated by a sincere commitment to applying technology for the betterment of individuals with disabilities. In addition to my academic endeavors, I am recognized as the youngest entrepreneur, leading ventures that encompass a broad spectrum of technological services, ranging from comprehensive project development to the realms of photography and cinematography. Presently, I serve as the Founder & CEO of "Roboshala Bangladesh," a startup dedicated to pioneering innovative solutions. This amalgamation of academic acumen and entrepreneurial spirit encapsulates my commitment to pushing the boundaries of technology for positive societal impact.

Expertise Skill

- Programming (C, C++, Python)
- Leadership
- Mechanical Designing (Solidworks, AutoCAD)
- Robot & Drone Developing
- Photography Videography
- Editing and retouching

Languages

Bengali English Turkish

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Education

- 2023-Present (**University**)

  Mechatronics Engineering-
  Yıldız Teknik Üniversitesi,
  Istanbul, Turkey.

- 2019-2020 (**College**)

  Govt. Alimuddin College,
  Hatibandha, Lalmonirhat.

- 2014-2018 (**High School**)

  S S Govt. High School,
  Hatibandha, Lalmonirhat.

ACHIEVEMENTS AND AWARDS

NATIONAL & ZONAL

- District Champion at 38th Science and Technology week 2017.
- Divisional Champion at 38th Science and Technology week 2017.
- National Champion at 38th Science and Technology week 2017.
- District Champion at 38th Science and Technology week 2018.
- Divisional Champion at 39th Science and Technology week 2018.
- National Champion at 39th Science and Technology week 2018.
- Gold Medalist at Bangladesh Robot Olympiad 2018 (In Creative Category).
- Bronze Medalist at Bangladesh Robot Olympiad 2018 (In Robot In Movie Category).
- District Champion at 40th Science and Technology week 2019.
- Divisional Champion at 40th Science and Technology week 2019.
- National Champion at 40th Science and Technology week 2019.
- National Champion at Nasa Space Apps Challenge Bangladesh 2020.
- National Champion at Nasa Space Apps Challenge Bangladesh 2021.

NATIONAL & ZONAL

- 5th Runner-up at Teknofest istanbul 2019.
- Global Nominee of Nasa Space Apps Challenge 2020.
- Global Nominee of Nasa Space Apps Challenge 2021.

ENTREPRENEURIAL WORK EXPERIENCE

FOUNDER AND CEO - ROBOSHALA BANGLADESH

FOUNDER AND CEO - ROBOSHALA BANGLADESH I have established RoboShala when I was in grade 11. RoboShala is an online based virtual school that can provide robotics related lessons for all the students of various ages. We are providing free and paid online classes. Now a days internet and smartphone is in everyone's hand. But there is not enough facilities for learning robotics. That's why I have found "RoboShala" as a solution.

FOUNDER AND TEAM LEADER - TEAM SHOCKWAVE

Team Shockwave is a robotics and artificial based team. The team working on Artificial Intelligence, robotics and IOT (Internet Of Things) and achieved more than 21 zonal, national and international awards. I am working in this team as a Founder and Hardware Engineer. In 2019 the team got selected for the final round of Teknofest Istanbul. After competing with 99 participant from 21 different county the team achieved 6th position in Technology for Humanity category. My team became national champion and achieved global nomination in NASA Space apps challenge 2 times in a row (2020-2021). Find out our projects in NASA's website :
2020 : https://cutt.ly/vQZudTJ
2021 : https://cutt.ly/tUKBCWe

FOUNDER AND CEO - WAVE STUDIOS

Wave Studios provides professional photos and cinematography based services. I've established the company when I was a 9th grader. Now I'm working on with some agencies and companies by making promotional videos.

VOLUNTEERING WORK EXPERIENCE

NEWSPAPER OLYMPIAD

National Newspaper Olympiad is an aspiring initiative with the simple motto "Read Newspaper, Gain Knowledge." We have about 3000 Team members and coordinators from 8 divisions of Bangladesh. This initiative is for the people that care enough about day-to-day events all around the world. Our generation is becoming oblivious of the very old-but-gold window of the world newspaper. I've been working with them for past 1.5 years as a Chief Content creator.

BANGLADESH - TURKEY TECHNICAL INSTITUTE (BTTI)

Bangladesh - Turkey Technical Institute (BTTI) is to train up unemployed young generation of Bangladesh. As I'm working on robotics and artificial intelligence for past 5 years, I've achieved much knowledge about this field. Then I decided to provide the knowledge to those technology enthusiasts who don't have much knowledge about this field but highly interested on them. BTTI contacted with me to take some online classes on robotics and artificial intelligence during the time of covid 19. The students were able to learn coding and robotics fluently during the classes.

HELP - A FREE BLOOD DONATION AGENCY

HELP is a free blood donating organization. This organization provides free blood to the patients directly. There almost 130+ active blood donators. First of all if they find a patient who needs blood urgently, then they contact to the donors of the certain blood group. Then they collect the blood from the donors and provide instantly to the patients. I'm working with them as a Technology Officer for past 2 years. Working with a helpful social organization like this is something more than blessings.

PROJECT AND RESEARCHES

VITAMIN SEA - A ROBOT FOR SAVING SEA

VITAMIN SEA - A ROBOT FOR SAVING SEA Vitamin Sea is an autonomous sea saver robot. It save the sea by keeping it's ecological balance stable. It saves the sea from the trashes and other harmful things. By doing this we are able to save the underwater animals too. The main problem is millions of the people come to visit sea beaches and they throw their trashes on the beach. In 2018, this project won the Gold Medal in Robot Olympiad which was arranged by Bangladesh Government and International Robot Olympiad (IRO) in Dhaka University (Curzon Hall). Beside this my project Vitamin Sea won 1st position in 40th Science and Technology week in 2019.

WAVE AID

During the time of pandemic in March 2020 I have developed the project as a solution for covid-19 patients. In my country the ventilation system for covid-19 patient is not available in rural areas. Beside this the ventilation system is soo expensive. To solve this problem I have designed Wave Aid as a solution. For the emergency ventilator part I have prepared the BVM (Bag Valve Mask) system. The patient connector consists of a patient unidirectional valve, an expiratory port and a patient connection port. An air volume is provided to the patient when the servo squeezes the bag. In 2020 my team "Team ShockWave" won global nomination award in NASA Space Apps Challenge for this project, which was arranged by NASA. Checkout our project in NASA's official website : https://cutt.ly/vQZudTJ

PROJECT AND RESEARCHES

TARU - A HUMANOID SOCIAL ROBOT

Taru is a humanoid social robot. I have designed and developed the robot when I was a student of grade 9. I made the robot for disabled people. Basically I search for social problems and then I try to solve them using technology. Taru was the same. It was developed for those disabled people who don't have that ability to walk or take something using their hand. It can complete it's all the tasks just using voice commands.It also have a feature for dumb peoples, that it can recognize sign language. This is how it's so user friendly. The whole system is based on google firebase.

AMBULANCE UAV (UNMANNED AERIAL VEHICLE)

Ambulance UAV (Unmanned Aerial Vehicle) is a fully autonomous aerial vehicle which can go anywhere by push of a button to serve first aid as well as medical treatment. It has been designed to secure dying patients by providing necessary medical supports in tough situations where medical help can not reach immediately. It has the ability to get connected with more than 15 satellites at the same time. It is completely user friendly. Therefore, no need to appoint a trained pilot to maintain the whole vehicle. In 2017, this project won the 1st position in 38th national science and technology week arranged by Bangladesh Government. Beside this my project ambulance UAV won 1st position in Solve A Thon same year.