

Jahir Uddin

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Summary

An Undergraduate student at the Brac University, passionate about working with robotics and drones. I am working more than 2 years with robotics, python, autonomous navigation, 3D SLAM, wireless communication, simulation, ROS etc. Some of my works can be found on GitHub.

Education

Brac University

BSc in Computer Science

Dhaka, Bangladesh

May 2018 - Current

- Working as a Research Assistant
- Courses:** Artificial Intelligence, Neural Networks, Cloud Computing, Internet of Things, Robotics, Cryptographic Analysis

Adamjee Cantonment College

Higher Secondary School Certificate

Dhaka, Bangladesh

May 2015 - May 2017

- Passed with 4.92

Feni Government Pilot High School

Secondary School Certificate

Feni, Bangladesh

Jan 2010 - May 2015

- Passed with Distinction
- Honoured with Talent-Pool Scholarship

Work Experience

Brac University

Research Assistant

Dhaka, Bangladesh

Sep 2021 - Current

- Working with under supervision of Professor Dr. Md. Golam Rabiul Alam on Aquatic Wireless Communication in Under Water

BracU Dichari

Project Engineering Manager

Dhaka, Bangladesh

Jan 2022 - September 2022

- Develop an autonomous rescue rover and a drone employing cutting-edge technology while leading a team of forty people. For both the rover and the drone, we utilized SLAM and ROS.
- Developed Image Meta-Data manipulation system to construct 3D mesh.
- Employed Deep Learning based Mannequin detection with 95% accuracy. Moreover, developed a system for automated risk assessment.
- Technical Skills:** Python, Embedded C, ROS, NumPy, Matplotlib, Pandas, Scikit-learn, Ubuntu Linux, Linux tools, Apt, Scripting, Git.
- Soft Skills:** Leadership, Teamwork, Time Management, Communication, Presentation skills.

BracU Mongol Tori

Technical Team Lead

Dhaka, Bangladesh

Dec 2020 - Dec 2021

- Developed world's one of the finest Mars Rover. Lead 30 members team to make an intelligent rover.
- Designed vision and GPS based autonomous navigation system.
- Developed everything from scratch. Including navigation system and graphical user interface.
- Technical Skills:** Python, Embedded C, OpenCV, Bash, Git.
- Soft Skills:** Leadership, Time Management, Communication, Logical Thinking.

InsideMaps Inc.

DevOps Intern

Dhaka, Bangladesh

Sep 2021 - Dec 2021

- Worked on 3D visualization and mapping technology.

Skills

Programming

Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.), ROS (Gazebo, Rviz, RQT, TF, etc.), JAVA, C/C++, HTML/CSS, JavaScript, SQL, MongoDB, OracleDB

Miscellaneous

Linux, Shell (Bash/Zsh), \LaTeX (Overleaf), Tableau, MS office 365, Git, Heroku

Soft Skills

Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Achievements

2022	4th , European Robotics League	<i>Poland</i>
2021	4th , KIBO Robot Programming Challenge	<i>Bangladesh</i>
2021	Global Finalist , Earth Observation Hackathon	<i>USA</i>
2021	3rd , University Rover Challenge (URC)	<i>USA</i>
2017	Best Contributor Award , Neutrino ACC Science Club	<i>Bangladesh</i>
2016	National Champion , IBBL 2nd ACC National Science Carnival	<i>Bangladesh</i>

Interests

Robotics	I love building stuffs. Mostly, I love to make RC air-crafts.
Linux	Since 2017, I have been in love with Linux. I use Kubuntu for my everyday work.
Technical Writing	I write descriptive blogs about tech, some of them are on my GitHub
Video Games	I mostly play racing games on my PC.
Swimming	I started swimming when I was 9. Going through submerged things while holding my breath was the most exciting part.
Music	I enjoy almost all types of music may it be Bangla Classic, 90's Hindi, Urdu Gazal, Soft Melody, Soft Rock etc.

Languages

English	Professional proficiency
Benglai	Native proficiency
Hindi	Bilingual proficiency

References available upon request.