

RAFSAN AL MAMUN

College Student

INTRODUCTION

Innovative, team-centred and deadline-driven Project Manager, ML Engineer and Web Designer with experience of designing user-centered websites, applying ML tools and techniques, and leading teams on impactful projects.

CONTACT DETAILS

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SKILLSET

- Project Management
- Web Design
- ML Research
- Scientific Publication
- Team Leadership and Management
- Effective and Empathetic Communication
- Languages Known: Java, Python, HTML, CSS, Bash (Basic)

ADDITIONAL INFORMATION

- Certifications from Coursera (Web and Project Management), edX (AI), MS Learn Pathway and Udemy (iOS) - in progress
- Working towards a startup to provide software solutions
- Community Volunteer at JAAGO BD
- Summer Intern '16 at Apollo Hospital Dhaka
- For more info, visit my profiles and website

WORK EXPERIENCE

BRAC University

STUDENT TUTOR (CSE), JUNE 2021 - PRESENT

- Teach the fundamentals of programming and CS to freshers.
- Co-arranged intra-batch contest to foster and encourage programming.

Care2U

PROJECT LEAD AND MANAGER, MAY 2020 - JANUARY 2021

- Lead in the design and development of a PPE-donation platform for healthcare workers during COVID-19 pandemic.
- Taught myself basic HTML and CSS, and implemented Agile practices to cut development time by 40%.
- Partnered with local government to reach >500 donations.

Robotics Club of BracU

MEMBER OF CREATIVE DEPT., OCTOBER 2019 - PRESENT

- Arranged and conducted workshops on basics of robotics.
- Co-launched Traction-2020, one of the largest inter-university tech festival in Bangladesh, reaching 300+ participants.

ACADEMIC HISTORY

BRAC University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

- VC's List (GPA: 3.99)
- Recipient of Merit Scholarship
- Member of IEEE BracU Student Branch and Robotics Club of BracU

Scholastica

CAMBRIDGE INTERNATIONAL O AND A LEVEL

- Class Valedictorian (Joint Best Student of the Batch)
- Recipient of The Daily Star Award 2015 and 2017
- Recipient of High Honours (Class Average > 90%)

NOTABLE PROJECTS, AWARDS AND PUBLICATIONS

- Breast Cancer Prediction using CNN: ongoing thesis; accepted at UBYMK 2021, Ankara; to be published in IEEE Xplore.
- Error Detection and Correction for Onboard Satellite Computers using Hamming Code: project manager and lead researcher; best presentation award at ICSSC, Paris 2020; published through WASET.
- Online Caregiver System: project manager and design lead of a caregiver-hiring platform.
- Question-Answering Bot: used nltk and tf-idf to develop a technical chatbot.
- Traffic Sign Detection using CNN: worked with TensorFlow and GTSRB data to aid in autonomous driving.
- Science Lab Simulator: designed an AR app to help rural students with no access to labs; top-10 of HULT Prize @ BracU among 80+ submissions.
- CCUC 2020: became 2nd Runner-Up nationally for Care2U.
- Classifying Space Rocks using AI: applied CNN to classify moon rocks.