

# M Rayhan Ferdous Faisal

DHAKA, BANGLADESH

+8801708380393 | ferdousfaisal07@gmail.com | RF-Faisal | rf-faisal | skype-id | Rf-Faisal | RF\_Faisal | Portfolio

## Education

### Military Institute of Science and Technology(MIST)

BSc in Computer Science and Engineering

CGPA: 3.36 out of 4.00 (up to 7th out of 8 semesters)

Dhaka, Bangladesh

Feb 2020 - Present

## Experience

### Robi Axiata Ltd.

Industrial Attachment

- Worked on Customer complaints resolving department.
- Learned about the Core department of telecommunication working procedure

Dhaka, Bangladesh

January 2023 - February 2023

### Mongol Barota - MIST MARS Rover Society

Executive Member

- Collaborated with a four-person team to develop the overall electrical architecture of the Mars rover.
- Worked with the automation team on autonomous navigation.

Dhaka, Bangladesh

Dec 2020 - July 2022

### Bangladesh Mathematical Olympiad

Academic Team Member

- Set questions for divisional and national rounds.
- Script checking on national and regional rounds.

Dhaka, Bangladesh

Mar 2020 - Present

### MIST Computer Club

General Secretary

- Arranged contests Inter Army University Programming Contest and prepared problem sets.
- Trained students on competitive programming.

Dhaka, Bangladesh

March 2023 - Present

### MIST Math Olympiad Club

President

- Arranged Quiz and Calculus Bee competitions.
- Organized Inter Department Math Olympiad in collaboration with Science and Humanities department.

Dhaka, Bangladesh

March 2023 - Present

## Projects

### UVC Purge

Military Institute of Science and Technology

- A cost-effective, semi-autonomous UVC disinfection robot to fight against the COVID-19 pandemic.

Dhaka, Bangladesh

Aug 2020 - Feb 2021

### Mongol Barota

Military Institute of Science and Technology

- Our rover Phoenix participated in the most prestigious University Rover Challenge(URC) and Anatolian Rover Challenge(ARC)

Dhaka, Bangladesh

Dec 2020 - July 2022

### MCC Virtual Assistant

Military Institute of Science and Technology

- A database project done with the help of oracle database at the back-end and bootstrap at the front-end.

Dhaka, Bangladesh

Feb 2022 - July 2022

### Universal Remote Cloner

Military Institute of Science and Technology

- A project based on micro-processor and micro-controller that can clone any IR signal and save it for future usage.

Dhaka, Bangladesh

Feb 2022 - July 2022

### NextGen Wheelchair

Military Institute of Science and Technology

- A customised wheelchair that can be controlled by user(patient) through head motion, voice command and joystick
- The wheelchair can be also remotely monitored and controlled by voice command and joystick

Dhaka, Bangladesh

September 2022 - June 2023

## Achievements

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2023	<b>ICPC(International Collegiate Programming Contest) Dhaka Regional 2023</b> , 33th out of 223 teams	Bangladesh
2023	<b>ICPC(International Collegiate Programming Contest) Asia West Final 2022</b> , 27th out of 65 teams	Asia West
2023	<b>ICPC(International Collegiate Programming Contest) Dhaka Regional 2022</b> , 18th out of 160 teams	Bangladesh
2022	<b>Code Samurai Hackathon</b> , Qualified for the final round. (27th out 250 teams)	Bangladesh
2022	<b>ICPC(International Collegiate Programming Contest) Asia West Final 2021</b> , Contestant	Asia West
2022	<b>ICPC(International Collegiate Programming Contest) Dhaka Regional 2021</b> , Contestant	Bangladesh
2022	<b>Anatolian Rover Challenge</b> , 2nd Runner Up	Turkey
2022	<b>IUPC(Inter University Programming Contest) BUET, RUET, AUST</b> , Contestant	Bangladesh
2021	<b>Best Programmer of 2021</b> , Senior Level, CSE Talent Hunt, MIST	Bangladesh
2021	<b>URC(University Rover Challenge) 2021</b> , Global Champion	USA
2021	<b>ICPC(International Collegiate Programming Contest) Dhaka Regional 2020</b> , Contestant	Bangladesh
2020	<b>UVC Purge</b> , Champion at application Category, Medical Robotics	UK

## Technical Skills

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<b>Programming Languages</b>	C/C++, Python, PHP, Java, SQL, Assembly(Intel x86).
<b>Scripting &amp; Modeling</b>	Latex, HTML/CSS, Shell Script.
<b>Simulator</b>	Cisco packet Tracer, Proteus, Circuit Maker, AutoCAD, Blender
<b>Tools</b>	Git, Visual Studio Code, PyCharm, IntelliJ, Codeblocks, Photoshop
<b>Soft Skills</b>	Teamwork, Problem-solving, Documentation