

# Mahmudur Rashid

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## EXPERIENCES

**Assistant Officer** 12/2020 – Present  
Career and Placement Center,  
North South University,  
Dhaka, Bangladesh

**Embedded System Engineer** 09/2020 – Present  
(Contractual)  
SandsBay, Dhaka, Bangladesh

## EDUCATION

**Computer Science and Engineering** 2020  
Department of Electrical and Computer Engineering  
North South University, Dhaka, Bangladesh  
*Bachelor of Science*

**Science** 2013  
Jhenaidah Govt KC College, Jhenaidah, Bangladesh  
*Higher Secondary Certificate*

**Science** 2011  
Jhenaidah Govt High School, Jhenaidah, Bangladesh  
*Secondary School Certificate*

## SKILLS

**Software/Tools:** MS Office, Adobe Photoshop,  
Adobe Illustrator, Adobe Premier Pro

**Programming Language:** C, C++, Java, Python

**Scripting Language and Database:** PHP, HTML,  
MySQL, Oracle

**Others:** Arduino, NodeMCU, ATmega328, Raspberry  
Pi, SketchUp, Logisim, Multisim, Cadence, Eagle

## LANGUAGES

**Bangla** Native  
**English** Fluent (IELTS Band: 6)  
**German** Beginner

## ACHIEVEMENTS

**JENESYS-JICE Award** 2020  
JENESYS 2019 SAARC, 2nd Batch  
Communication  
**6<sup>th</sup> (Internationally)** 2019  
Indian Rover Challenge (IRC)  
**Champion** 2019  
Robo Combat, GPH Ispat Esho Robot Banai by  
Channel-I and CRID USA  
**Runner Up** 2019  
Robo Soccer, Esonance, Islamic University of  
Technology (IUT)  
**Champion** 2018  
Megabot Clash, Technovation, North South  
University (NSU)  
**Champion** 2018  
Robo Riot, Mecceleration, Islamic University of  
Technology (IUT)  
**2<sup>nd</sup> Runner up** 2018  
Robo Fight, Techfest, Dhaka University of  
Engineering and Technology  
**2<sup>nd</sup> Runner up** 2018  
Battle Bot, Maker's Mania, Independent  
University of Bangladesh (IUB)  
**Runner up** 2017  
Robo Wrestling, Bit Arena, North South  
University (NSU)  
**Runner up** 2017  
Robo Riot, Mecceleration, Islamic University of  
Technology (IUT)  
**Runner up** 2017  
Hackathon, IEEE Day, North South University  
(NSU)  
**Runner up** 2017  
Robo War, RAJUK  
**Runner up** 2010  
Bangladesh Math Olympiad (BDMO)  
**Runner up** 2008  
Bangladesh Math Olympiad (BDMO)

## ACTIVITIES

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### Director (10/2018 to 12/2019)

Research and Development, NSU Computer and Engineering Club

- Conduct tech related career building workshops.
- Organize Intra NSU & National contests.
- Work with NSU authority directly in events and occasions.
- Conduct tech and career related seminars.

### CEO and Co-Founder (03/2018 to 01/2020) Shieldz

- Design and prepare circuit board as a complete shield and supply them to the online and offline market according to their demand.
- R&D on existing circuit boards to upgrade them.

### Team Leader (09/2019 to 01/2020)

NSU Mars Ex

- Prepare and maintain a team for International NASA Rover Challenges Series.
- Participate in International NASA Rover Challenges Series.

### Team Leader (10/2016 to 12/2019)

NSU HAU MAU

- Prepare and maintain a team for National Robotics Contests.
- Participate in National Robotics Contests.
- Conduct robotics workshop in NSU and other institutions.

### Coordinator (01/2017 to 01/2018)

NSU ACM Student Chapter

- Conduct career building workshops.
- Organize national events and seminars.

### Executive Committee Member (01/2017 to 01/2018)

BASIS Student's Forum-NSU Chapter

- Organize national seminars.
- Participate in events by BASIS.

### Academic Team Member, (01/2016 to 12/2019)

Bangladesh Mathematical Olympiad (BDMO)

- Academic activities in national math olympiad.

## RESEARCH & PUBLICATION

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### JOURNAL PUBLICATION

1. Muiz Ahmed Khan, Pias Paul, **Mahmudur Rashid**, Student Member, IEEE, Mainul Hossain, Member, IEEE, and Md Atiqur Rahman Ahad, Senior Member, IEEE, “**An AI-based Visual Aid with Integrated Reading Assistant for the Completely Blind**”, *IEEE Transactions on Human Machine Systems*(**Impact Factor-3.374**)

### CONFERENCE PROCEEDINGS

1. **Mahmudur Rashid**, S. M. Abdul Ahad, Shahida Siddique and Tamanna Motahar, “**Smart Warehouse Management System with RFID and Cloud Database**”, *IEEE Sponsored 8th International Conference on Informatics, Electronics & Vision (ICIEV) and 3rd International Conference on Imaging, Vision & Pattern Recognition(icIVPR), Spokane, WA, USA, 30 May-02 June, 2019*

2. Md. Nazmul Islam Shuzan, **Mahmudur Rashid**, Md. Aowrongajab Uaday and M. Monir Uddin, “**IoT and Computer Vision based Electronic Voting System**”, *Springer Sponsored 2019 4th International Conference on Computer, Communication and Computational Sciences, Bangkok, Thailand, 11-12 October, 2019*

## MEMBERSHIP

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1. IEEE Membership
2. IEEE Robotics and Automation Society Membership
3. IEEE Power and Energy Society Membership

## REFERENCES

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Reference 1:

**Dr. Mohammad Monir Uddin**

**Associate Professor**

Department of Mathematics & Physics

North South University, Dhaka-1229

Former research scientist and member of IMPRS,

Max Planck Institute, Magdeburg, Germany.

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Reference 2:

**Dr. Dihan Md. Nuruddin Hasan**

**Assistant Professor**

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