

## Nishat Tabassum Nishe

**Address** Pashchim Nilkantha, Rangpur-5400

**Phone** +8801521552219

**E-mail** [nishatabassumnishe4561@gmail.com](mailto:nishatabassumnishe4561@gmail.com)



### About Me

---

I am an M.Sc. student in Electrical and Electronic Engineering at Begum Rokeya University, Rangpur with a primary focus on wireless communications and network optimization. My research integrates hybrid deep learning frameworks to develop high-precision predictive models for indoor WLAN performance. By advancing beyond conventional empirical methods, my work aims to enhance the reliability and design of modern telecommunication systems. I have also shared my findings at academic symposiums, presenting on the use of deep learning for high-precision throughput prediction. With the ultimate goal of pursuing a career in academic teaching, I am actively seeking PhD opportunities in telecommunications to further my research in advanced wireless systems.

### Education

---

<b>2025 – Ongoing</b> <b>(Expected completion:</b> <b>June 2026)</b>	<b>M.Sc. in Electrical and Electronic Engineering (EEE)</b> <i>Begum Rokeya University, Rangpur</i> SGPA: 3.81 out of 4
<b>Mar 2018 - Mar 2025</b>	<b>B.Sc. in Electrical and Electronic Engineering (EEE)</b> <i>Begum Rokeya University, Rangpur</i> CGPA: 3.82 out of 4 (Secured 2 <sup>nd</sup> position on Department)
<b>Apr 2016 – Feb 2017</b>	<b>Higher Secondary Certificate: Science</b> <i>Cantonment Public School &amp; College - Rangpur</i> GPA: 5.0
<b>Jan 2008 – Feb 2015</b>	<b>Secondary School Certificate: Science</b> <i>Natore Govt. Girls' High School - Natore</i> GPA: 5.0

### Research

---

1. Tanmoy Datta; **Nishat Tabassum Nishe**; Sumon Kumar Debnath; Iffat Ara Badhan; Dr. Prodip Kumar Sarker, " Data-Driven RSS and Throughput Prediction Modeling for Indoor IEEE 802.11ac WLANs Using Hybrid Deep Learning Frameworks," Digital Signal Processing, Elsevier, (Under Review).
2. Iffat Ara Badhan; Tanmoy Datta; Assaduzzaman .; Nur-A-Alam Asif; **Nishat Tabassum Nishe**; Omar Faruk; Prodip Kumar Sarker; Marjia Sultana; Dr. Sumon Kumar Debnath "Real-

Time Recognition of Bangla Sign Language Words Using Deep Learning: A Comparative Analysis of Object Detection Models", International Journal of Systems Assurance Engineering and Management (IJSA), (Under Review)

## Conference

---

“Beyond Empirical Models: Leveraging Deep Learning for High-Precision Throughput Prediction in IEEE 802.11ac WLANs”, IEEE CS BDC Summer Symposium 2025.

## Skills

---

- Machine Learning
- C Programming
- Python
- Arduino
- MS Word
- MS Excel
- MS Power Point
- MATLAB

## Projects

---

Tried some Home automation projects using Arduino

## Certifications

---

- Interfacing with the Arduino, Coursera.
- Taekwondo self defence Training, Begum Rokeya University, Rangpur since 1st November 2022 to 31 January 2023
- National Skill Standard Basic Course Examination in Computer Office Application, Bangladesh Technical Education Board since 01 July 2019 to 31 December 2019
- Diploma in Computer Science, City Computer Training Center since 01 July 2018 to 31 December 2018

## Achievements

---

- National Science and Technology (NST) Fellowship, 2025
- Merit Scholarship 2022 from University Grants Commission of Bangladesh (UGC)
- Awarded Bronze Medal in 6th Bangabandhu President Cup Fencing Championship\_2020 (22nd to 24th Dec,2020)
- Participated in Bangabandhu 9th Bangladesh Games 2020 (01-10th, April 2021)
- Bangabandhu Merit Scholarship [2019,2020,2021] from University Grants Commission of Bangladesh (UGC)

## Languages

---

- Bengali/Bangla (Native)
- English (Advance)

## Hobbies

---

- Reading Books
- Gardening

## Sports

---

- Fencing
- Taekwondo
- Chess
- Badminton

## References

---

Dr. Md. Ferdous Rahman  
Professor  
Department of Electrical and Electronic  
Engineering, Faculty of Engineering and  
Technology, Begum Rokeya University,  
Rangpur, Bangladesh  
Phone: +8801722399402  
Email: ferdous@brur.ac.bd

Dr. Sumon Kumar Debnath  
Professor  
Department of Electrical and Electronic  
Engineering, Faculty of Engineering and  
Technology, Begum Rokeya University,  
Rangpur, Bangladesh  
Phone: +8801720377522  
Email: sumon.eee@brur.ac.bd