

# Sayed **MAHMUD**



## CONTACT DETAILS

@ sayedmahamudsijann@gmail.com  
📞 +880 1875 806948  
✉ Cox's Bazar, Chattogram,  
Bangladesh  
LinkedIn: linkedin.com/in/sayed-mahmud-  
52619b211  
GitHub: github.com/sayedmahamudsijan  
🎓 scholar.google.com/citations?user=ERA4-  
SrsAAAAJ

## PERSONAL INFORMATION

**Citizenship:** Bangladeshi  
**Languages:** Bangla (Native),  
English (Fluent)

## REFERENCES

Dr. Mohammed Jashim Uddin  
Associate Professor  
Dept. of Electronic and  
Telecommunication Engineering,  
IIUC  
✉ jashim-ete@iiuc.ac.bd  
📞 +8801716823959

## EDUCATION

### BSc in Electronic and Telecommunication Engineering

International Islamic University Chittagong, Bangladesh **2020 – 2024**

CGPA: **3.47 / 4.00**

### MSc in Electronics and Telecommunication Engineering

Chittagong University of Engineering and Technology **2024 – ongoing**

## EXPERIENCE

### Research Assistant

ETE Department, CUET

Nov 2025 – Ongoing

Conducting research on metamaterial absorber-based sensing systems, focusing on performance enhancement through electromagnetic design optimization and machine learning-assisted analysis. Involved in simulation, data analysis, and preparation of research publications.

### Junior QA Engineer

A1qa Software Testing Company

July 2024 – July 2025

Participated in software quality assurance processes, including test planning, execution, and defect tracking. Worked on enhancing testing methodologies and ensuring product quality through rigorous testing and analysis.

## RESEARCH PUBLICATIONS

- **S. Mahmud et al.**, "Polarization-selective metamaterial absorber using tailored Y-shaped SRR for UWB device and Doppler navigation aids applications," *Heliyon*, vol. 10, no. 11, pp. e40102, 2024.  
DOI: [10.1016/j.heliyon.2024.e40102](https://doi.org/10.1016/j.heliyon.2024.e40102)
- **S. M. Sijan et al.**, "Eye-Shaped Labyrinth Metamaterial Absorber for C, X, Ku & K-Band Applications," in *Proc. 2023 IEEE Int. Conf. Telecommun. Photonics (ICTP)*, Dhaka, Bangladesh, 2023, pp. 1–5.  
DOI: [10.1109/ICTP60248.2023.10491066](https://doi.org/10.1109/ICTP60248.2023.10491066)
- **M. Faysal, S. Mahmud**, S. R. Chowdhury, A. R. Chowdhury, "Spiral coil shaped multi-resonance metamaterial absorber for wireless communication and satellite applications," *AEU - International Journal of Electronics and Communications*, vol. 198, p. 155844, 2025.  
DOI: [10.1016/j.aeue.2025.155844](https://doi.org/10.1016/j.aeue.2025.155844)
- *Complete list of publications available at:*  
Google Scholar Profile

## SKILLS

**Simulation & Modeling:** CST Studio Suite, ADS, Origin pro, MATLAB, LTSpice, Proteus, Microwind, DSCH2

**Programming:** SQL, NoSQL (MongoDB), HTML, JavaScript

**Software Testing & QA Tools:** Postman (API Testing), Jira, TestRail, Virtual Machine Environments

**Electronics & Systems:** Circuit design, RF/microwave simulation, troubleshooting of electronics & software systems, OS installation and maintenance

**Productivity Tools:** Microsoft Word, Excel, PowerPoint

**Documentation:** Academic writing, research reporting, technical presentations