

# Sayed MAHMUD



## CONTACT DETAILS

@  
sayedmahmudsijann@gmail.com  
☎ +880 1875 806948  
✉ Cox's Bazar, Chattogram,  
Bangladesh  
🌐 linkedin.com/in/sayed-mahmud-  
52619b211  
📄 github.com/sayedmahmudsijan  
🎓  
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
- **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
- **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
- *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