Nishat Anjumane Salsabila

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Educations

Chittagong University of Engineering and Technology July, 2025
B.Sc. in Electrical and Electronic Engineering
CGPA: 3.72/4.00

Noakhali Govt. College 2019
Higher Secondary Certificate (HSC)
GPA: 5.00/5.00

Noakhali Govt. Girls High School 2017
Secondary School Certificate (SSC)
GPA: 5.00/5.00

Skills

Technical:

- **Programming Languages:** C, C++, Matlab, Python
- **Quantum Mechanical Simulation:** Burai, VESTA
- **Design and Illustration:** AutoCAD
- **Markup Language:** Latex, HTML, CSS
- **Electronic System Design**: Cadence Virtuoso, ADS, CST
- **Microsoft Office Suite:** Word, Powerpoint, Excel
- **OS:** Windows, Linux
- **Microprocessor Emulator:** Emu8086

Language:

- Bangla
- English

Thesis

Gain-Tunable Low Noise Amplifier(LNA) for Advanced Medical Imaging System
Developed a high-performance LNA using a CG-CS architecture in 90nm CMOS technology. Subsequently improved the design by incorporating an input attenuator for variable gain, enabling its use in medical imaging applications.

Training and Certifications

- **Mastering VLSI and Semiconductor Techniques**
Organizer: IEEE CUET WIE Affinity Group (Student branch)
Timeline: 12 and 13 January, 2025

- **Internship at Dhaka Electric Supply Company Limited (DESCO)**
Organizer: DESCO, Dhaka
Timeline: 24 November, 2024 - 24 December, 2024

- **Introduction on Solar System Planning, Design, Installation, and Operation for Engineering Students**
Organizer: Consumer Association of Bangladesh(CAB)
Timeline: 20 August, 2024 - 7 September, 2024

Publications

- **Nishat Anjumane Salsabila**, Susmita Barua, Mohammad M. H. Tareq, and Quazi Delwar Hossain, Design of a Multi-Stage Common Source LNA with Enhanced Gain and Noise Performance for SIGINT Applications, IEEE International Conference on Quantum Photonics, Artificial Intelligence, and Networking, 2025 (*Accepted*)

- **Nishat Anjumane Salsabila**, Design of a two-stage Broadband Stable Power Amplifier for Low Power Wireless Telemetry Systems using 90 nm CMOS Technology, IEEE International Conference on Quantum Photonics, Artificial Intelligence, and Networking, 2025 (*Accepted*)

- Nusrat Jahan, **Nishat A. Salsabila**, Susmita Barua, Mohammad M. H. Tareq, Quazi Delwar Hossain, Ramisha Anan and Jannatul Maua Nazia, Wideband CMOSVariable Gain Low-Noise Amplifier with Integrated Attenuator for C-Band Wireless Body Area Networks, Chips, MDPI journal (*Submitted*)

Synergistic Activities

- **Member**, IEEE CUET Student Chapter
- **Member**, Robo Mechatronics Association, CUET