

SAYEDA FARHAN-E-SAFRIN

B.Tech. | NIT Rourkela

Final Year, Electrical Engineering

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Education

2020-2024

BACHELOR OF TECHNOLOGY, ELECTRICAL ENGINEERING

NIT Rourkela

CGPA: 7.43/10

JUL 2019

INTERMEDIATE

Chittagong Government City College

GPA: 5.0/5.0

JUL 2017

MATRICULATION

Chittagong Government Girls' High School

CGPA: 5.0/5.0

Links

[LinkedIn](#) [GitHub](#)

Skills

GENERAL PROGRAMMING

C, C++, Python

OPERATING SYSTEM

Windows, macOS

SOFTWARES

MATLAB, Multisim, LabVIEW, MS Office, ODK,

KoBo Toolbox

LANGUAGES

English, Hindi, Bengali

Relevant Courses

1. Analog Electronics
2. Digital Electronics
3. Control Systems
4. Digital Signal Processing
5. Communication Systems
6. Network Theory
7. Machine Learning

Achievements

- ICCR (Indian Council for Cultural Relations) scholarship recipient.
- FOBANA (Federation of Bangladeshi Association in North America) Scholarship Award Winner.
- Academic Excellence Award for ranking first consecutively.

Work & Certifications

MAY-JUL 2023 **Supply Chain Management Trainee**

At Sundry Apparels Ltd (Bangladesh), gained expertise in customer interactions and industry-specific negotiations. Proficient in overseeing the end-to-end clothing production process, from sample creation to bulk shipment delivery. Skilled in effective communication with both local and overseas suppliers for sourcing fabric, trimmings, and accessories.

OCT 2022 **BHEL – Sanrachna**

Completed 'Kaushal 2.0' Training Programme on Emerging Technologies conducted by BHEL, where I gained in-depth knowledge about solar power and railways propulsion.

AUG 2022 **Business Development Internship**

Managed customer inquiries, resolved issues, and maintained performance data for business reviews.

MAY-JULY 2022 **NGOF-UNICEF Knowledge Management Internship**

Led the MIS team, coordinated report data processing, organized KABP (Knowledge Attitude Behavior and Practice) surveys, and oversaw PDM activities within a project aimed at providing clean water and sanitation access to displaced Myanmar migrants.

Projects

JUL 2023-MAY 2024 **Model Reduction in Biomolecular Control Systems**

-Under Prof. Abhishek Dey (NIT Rourkela)

Applying advanced computational modeling techniques and data analysis skills in ongoing research for Model Reduction of Biomolecular Control Systems using Python in Jupyter Notebook.

NOV 2022-JUL 2023 **Breaking the glass ceiling: Upskilling and Re-Skilling women entrepreneurs in micro, small and medium enterprises (MSMEs) of the Eastern Region in India (Project by ICSSR)-Under Prof. Vikas Thakur (IIT Kharagpur)**

Actively addressing gender disparities in MSMEs, employing analytical skills to identify obstacles and challenges. Dedicated to promoting gender equality and empowering women entrepreneurs.

2022-2023 **Digital Thermometer for Clinical Purposes using 8051**

Microcontroller -Under Prof. Supratim Gupta (NIT Rourkela)

Developed a high-precision digital thermometer with a three-member team, utilizing an 8051 microcontroller and LM35 sensor.

FEB 2022 **Project on clipper & clamper Circuits**-Under Prof. Rakesh Sinha (NITR)

Collaborated in a four-person team to analyze Clipper and Clamper circuits, effectively explaining their operational principles.

Extra-Curricular Activities

2018-PRESENT **JAAGO Foundation Chattogram-Bangladesh Volunteer**

Collaborated fervently with the Ramon Magsaysay Award Winning NGO to inspire community engagement.

2023 **NITRUTSAV NIT Rourkela**

Event Manager

2022 **INNOVISION NIT Rourkela**

Volunteer