

TASNIA AFRIN

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Chatogram, Bangladesh

OBJECTIVE

I am Tasnia Afrin, a Level 3, Term 2 undergraduate student of Electronics and Telecommunication Engineering at CUET, driven to explore technology, innovate and solve real-world problems. Enthusiastic about teamwork, communication and participating in initiatives that foster growth and innovation..

EDUCATION

- **Chittagong University of Engineering and Technology** 2023 - 2027
B.Sc in Electronics and Telecommunication Engineering
◦ CGPA: 3.54/4.00 (up to 4th semester)
- **Cumilla Government College** 2021
Higher Secondary Certificate
◦ GPA: 5.00
- **Cumilla Modern High School** 2019
Secondary School Certificate
◦ GPA: 5.00

EXPERIENCE

- **IEEE Power and Energy Society CUET Chapter** August, 2025 - Present
Webmaster
 - Provide technical support to ensure smooth execution of events and activities.
 - Manage and update online platforms to support club activities and events.

SKILLS

- **Programming Languages:** C and C++, Python
- **Libraries and Frameworks:** Numpy, Pandas, Seaborn, Matplotlib, Scikit-learn
- **Development:** HTML, CSS, Tailwind CSS, React, JavaScript
- **Software:** MATLAB, Simulink, ADS
- **Tools:** Google Colab, Git and GitHub
- **Technical:** LaTeX, MS Excel, MS PowerPoint, MS Word
- **Interests:** Machine Learning, Deep learning, AI and Data Science, Web Development
- **Languages:** Bangla, English

PROJECTS

- **Velmira [A MERN Based Full-Stack Website about Skincare]**
Tools: [React, Tailwind CSS, Javascript, Node.js, MongoDB]
 - Developed a application that integrates AI Assistant and E-Commerce.
- **Obstacle Avoiding and Voice Controlled Car [Autonomous Arduino Based System]**
Tools: [Arduino UNO, Motor Driver-L293D, Ultrasonic Sensor, Bluetooth Module, Android Voice Control App]
 - Built real time obstacle detection and avoidance with custom voice commands.
- **Market Basket Analysis [K-Means Cluster Algorithm]**
Tools: [NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn]
 - Applied K-Means clustering algorithm to analyze customer purchase data and identify hidden patterns in buying behavior.

LEADERSHIP AND VOLUNTEER EXPERIENCE

• Assistant Secretary (Entrepreneurship)

September, 2025 - Present

CUET Career Club

- Contribute to the planning and execution of entrepreneurship focused sessions and workshops on behalf of the club.

• Activity and Outreach Executive

May, 2025 - July, 2025

Sciblitz (A Student-led Model Conference on Advancing Research, Engineering and Science)

- Led and guided a junior team, delegating tasks and ensuring timely completion of activity and outreach goals.
- Served as a bridge between participants, organizing team and faculty advisors to ensure smooth coordination of the event.

• Assistant Secretary (Public Relations)

April, 2024 - June, 2024

Face the Case Competition 4.0

- Promoted the event among students of CUET and other universities, encouraging participation and engagement.
- Supported content writing and promotional campaigns to enhance the event's visibility and reach.

REFERENCE

1. Md. Farhad Hossain

Assistant Professor, Department of Electronics and Telecommunication Engineering

Chittagong University of Engineering and Technology (CUET)

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Relationship: Advisor