

TASNIA AFRIN

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📍 Chattogram, 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 (Currently at Level 3, Term 2)
 - 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

Sciblitiz (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)

Email: farhad.hossain@cueta.ac.bd

Relationship: Advisor