Tawseef Salim Rafi

Dhaka, Bangladesh

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in Tawseef Salim Rafi • ○ TawseefRafi

👤 Profile

I'm a motivated Electrical Engineering undergraduate passionate about innovation and technology. With a focus on TENG, wearables, embedded systems, and IoT, I integrate AI/ML to advance sustainable energy solutions. I leverage Finite Element Modeling (FEM) for optimized design and performance, driven by hands-on projects and a commitment to pushing technological boundaries.

🎓 Education

Khulna University of Engineering & Technology   **Khulna**
B.Sc. Electrical and Electronic Engineering, CGPA: 3.96/4.00   *2022–Present*

Notre Dame College   **Dhaka**
Higher Secondary Certificate (HSC), GPA: 5.00/5.00   *2018–2020*
Science

Government Laboratory High School   **Dhaka**
Secondary School Certificate (SSC), GPA: 5.00/5.00   *2008–2018*
Science

💼 Experience

EEE Makers Hub, KUET   **Khulna**
Public Relations Coordinator   *Nov 2022–Present*
- Organised 5+ flagship events.
- Collaborated on member recruitments and event plan drafts.

RUET EEE Day, RUET   **Rajshahi**
Campus Ambassador   *2023*
- Finished 10+ tasks.
- Promoted events across several platforms.

NDC Math Club, NDC   **Dhaka**
Executive Member   *2024*
- Enhanced the Math Club management process.

Science Club of Laboratorians, GLAB   **Dhaka**
Executive Member   *2024*
- Organised 1 science fair.

</> Selected Projects

Simulink Model of PV system: Simulation model
- Developed a working model of the Solar cell
- Using Matlab

Heart Disease Prediction: *Predictive ML model*
- Built a ML model to detect heart diseases
- Python Libraries, Jupyter Notebook

Detection of Cardiac Abnormalities Using ECG-Signals: *Predictive ML model*
- Designed a ML model to detect Cardiac Abnormalities in ECG
- Python Libraries, Jupyter Notebook

Blitzz Wear: *E-commerce Platform*

• Built a responsive platform for niche apparel, streamlining inventory management for ecommerce business

Movie Recommendation System: *Predictive ML model*
• Built a dynamic movie recommendation system for your preferred movie-series
• Python Libraries, Jupyter Notebook

⚙️ Technical Skills

Languages: Python, C, C++,Arduino
Software: MATLAB, Proteus, PSpice,
ML Tools: TensorFlow, PyTorch, Pandas, Scikit-learn
Dev Tools: VS Code, Figma
Concepts: Machine Learning, Circuit Design, Circuit Simulation, Image Processing, PCB Layout

🏆 Achievements

• Dean's Award, Khulna University of Engineering & Technology
• Champion in IEEE ProCon Idea Pitching (2024)
• 3rd in Language Competition regional stage
• Several Science Olympiad winners in School and College

🎖️ Certifications

• **Excel** - Coursera Project Network (2024) (Credential Link)
• **Venture Capital** - Wall Street Oasis (2025) (Credential Link)
• **Building Systems** - DeepLearning.AI (2025)(Credential Link)
• **Vibe Coding** - DeepLearning.AI (2025) (Credential Link)