

MIFTAHUL JANNAT

Machine Learning Intern Candidate | Chattogram, Bangladesh

✉ miftahuljannat.cs@gmail.com

🌐 [linkedin.com/in/miftahuljannatofficial](https://www.linkedin.com/in/miftahuljannatofficial)

🐙 github.com/jannat-miftahul

Career Objective

Computer Science undergraduate specializing in deep learning and graph neural networks, seeking a Machine Learning Internship to apply hands-on experience in PyTorch, model development, and applied research to real-world ML problems.

Education

International Islamic University Chittagong

2022 – Present

Bachelor of Science in Computer Science and Engineering

Kumira, Chattogram | Current CGPA: 3.53

Technical Skills

Machine Learning / Deep Learning: PyTorch, TensorFlow, Scikit-learn, NumPy, Pandas, CNNs, Transformers, Graph/Hypergraph Neural Networks, Model Fine-tuning, XAI (SHAP, EigenCAM)

Programming Languages: Python, C, C++, JavaScript

Tools & Platforms: Kaggle, Google Colab, Git, GitHub, VS Code, Jupyter

Web Development: React, Node.js, Express.js, MongoDB, Firebase, RESTful APIs

Projects

Multimodal Disaster Severity Classification | *IIUC CSE Fest Datathon 2026*

- Built a multimodal classification pipeline combining DINOv2 (image) and BanglaBERT (text) encoders on Kaggle T4 GPU, competing in the IIUC CSE Fest 2026 Datathon.
- Diagnosed and resolved data leakage, backbone collapse, and NaN loss explosions through gradual partial-unfreezing schedules, MixUp augmentation, and careful optimizer/param-group management.
- **Result:** Won the Best Female Team award.

Adaptive FD-HGNN-APPNP | *Undergraduate Thesis Research*

- Designing a novel deep learning framework (Adaptive Framelet-based Dual Hypergraph Neural Network with APPNP propagation) for student academic performance classification, evaluated on three educational datasets.
- Implemented architectural contributions including Adaptive Framelet Attention, Dynamic Channel Pruning, and Variational Information Layers in PyTorch.

Chat App | *Python, Flask-SocketIO*

- Built a real-time chat application in Python using Flask-SocketIO for bidirectional, event-driven messaging.

RunTrack | *React.js, Node.js, Express.js, MongoDB, Firebase, JWT*

- Full-stack platform for discovering and registering for marathon events, with a personalized dashboard.

WinterAid | *React.js, Firebase, Tailwind CSS*

- Non-profit donation platform connecting donors with homeless individuals during winter.

Achievements

Best Female Team — IIUC Intra University Datathon, CSE Fest 2026

Best Performer — IIUC Female Competitive Programming Bootcamp, Autumn '23

1st Runner Up — IIUC PowerPuff Girl Programming Contest 2.0

Online Judge Profile

Codeforces: Miftahul_Jannat_ | Specialist | Max Rating 1414 | 850+ Problems Solved

CodeChef: mifta_hul | 3-star | Max Rating 1637 | 33 Contests | 661 Problems Solved

Languages

Bengali (Native/Bilingual) | English (Professional Working) | Hindi (Elementary)