Md. Ferdaus Hossen

B.Sc. in Computer Science and Engineering (CSE)

Green University of Bangladesh

📞 01850358763 ✉ smferdaushassan1184@gmail.com

 github.com/Ferdaus71

ABOUT

I am Md. Ferdaus Hossen, a motivated and detail-oriented individual with a passion for continuous learning and personal growth. I enjoy working in environments, solving problems and taking initiative in any task I am given. Eager to apply my skills and contribute positively to any organization I join.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/GPA	Year
Bachelor of Science (Honors)	Green University of Bangladesh	2.95 (Current)	2022–Present
Higher Secondary	Jashore	4.50	2020
Secondary	Jashore	4.09	2017

EXPERIENCE

- Data Preprocessing and Cleaning

- Feature Engineering (TF-IDF, BoW, Word2Vec, GloVe, POS-tag counts, LIWC/NRC lexicons, Hybrid Feature Fusion, BERT embeddings)

- Deep Learning and Transformer-based NLP

- Multimodal Feature Engineering (Text, Psychological, and User-level Data)

- Sentiment and Emotion Recognition from Social Media Text

- Model Development and Optimization

- Deployment, Evaluation, and Monitoring

RESEARCH

- *Deep Learning Based Early Prediction of Depression and Suicidal Risk in Bangla Social Media Posts*, submitted to IEEE International Conference (2025).
- *Transformer-Based Hybrid Framework for Early Detection of Depression and Suicidal Risk*, submitted to EICT 2025.
- *Leveraging Large Language Models for Project Idea Recommendation and Novelty Assessment*, ongoing research (2025).

PROJECTS

- **Blood Bank–Donor Management System** — Web-based donor system. (GitHub)
- **Simple Object Detection (Python)** — Real-time photo/video object detection. (GitHub)
- **Hybrid Transformer Models for Mental Health Detection** — LifeGuard, MindShield. (GitHub)

- **Fake or Truth News Finder** — Fake/real news classifier using multiple models. ([GitHub](#))

SKILLS

Machine Learning	Building and training ML/DL models for NLP and text data.
Programming	Python, HTML, CSS, JavaScript.
Tools	TensorFlow, PyTorch, Scikit-learn, Streamlit, Pandas, NLTK, Excel.

CERTIFICATIONS

Data Entry, Microsoft Excel, Word, Web Research, Data Mining, Data Scraping & File Conversion Tools.

CAREER OBJECTIVE

To obtain a challenging position that fully utilizes my skills and provides me with opportunities for growth, learning, and contributing to impactful AI-driven solutions.

ACHIEVEMENTS

National Hackathon — BdApps National Hackathon 2022, Regional Round Finalist.