

Md. Mahmudur Rahman

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Career Objective

Fresher **AI/ML Engineer** with research experience in **Bangla NLP** (emotion detection, video summarization). Skilled in **machine learning, deep learning, and data preprocessing**. Currently expanding knowledge in **MLOps** and **large language models**, aiming to build scalable AI-driven solutions.

Technical Skills

- **Programming:** Python, C++, Java, SQL
- **ML/NLP:** PyTorch, Scikit-learn, Transformers, BERT, Hugging Face
- **Data Tools:** Pandas, NumPy, Matplotlib
- **Other:** Docker, Git, Linux, MLflow (basics)

Research & Projects

- **Bangla Text Emotion Detection** — Fine-tuned **BanglaBERT** for multi-label classification across 7 emotions. Applied back-translation & oversampling to handle imbalance, improving accuracy.
- **Bangla Video Summarization (Ongoing)** — Developing a **multimodal summarization model** integrating text, audio, and visuals for concise Bangla video summaries.

Experience & Leadership

- **Lead Executive – Cyber Security Club, DIU** — Organized **CTF contests and bootcamps**, mentoring 100+ students in security challenges and AI applications.
- **Founder – SETU (student freelance marketplace)** — Designed and managed a platform with **ML-based job matching**, serving 200+ users.
- **Campus Ambassador – Creative IT Institute** — Promoted IT training programs and engaged students with career opportunities.

Achievements

- Winner — **NASA Space Apps Challenge 2024** (Rajshahi Zone, Global Nominee)
- 2nd Runner-up — **NASA Space Apps Challenge 2023** (Sylhet Zone)
- Champion — **Google Hacking Contest 2022 & 2023** (DIU)
- Finalist — **DIU Accelerator Cup 2023**
- Top 20 — **Take-off Programming Contest** (twice, DIU CPC)

Education

B.Sc. in Computer Science & Engineering , Daffodil International University	2022–2025
CGPA: 3.63 / 4.00	
H.S.C. , BirShreshtha Noor Mohammad Public College	2020 — GPA 5.00
S.S.C. , Government Laboratory High School	2018 — GPA 5.00