Sanjid Hasan

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Profile Summary

Undergraduate Electrical and Electronic Engineering student with hands-on experience in Natural Language Processing (NLP), emotion classification, and sentiment-related datasets derived from real-world student expressions and mental health contexts. Passionate about applying machine learning and state-of-the-art transformer models to mental health research challenges. Proven track record in Kaggle competitions focused on emotion detection in mental health data, dataset curation for social computing and sentiment analysis, and building practical AI tools.

Education

B.Sc. in Electrical and Electronic Engineering   Expected October 2027
Khulna University of Engineering & Technology (KUET)
Higher Secondary Certificate (HSC), Science   2022
Notre Dame College, Dhaka

Relevant Projects in NLP and Mental Health

Fragments of Feelings – Kaggle Competition   1st Runners-Up

– Solved a multi-class emotion classification problem using text data from mental health patients.
– Fine-tuned state-of-the-art transformer models (DeBERTa-v3-large) from Hugging Face to achieve high accuracy.
– Demonstrated strong capability in handling sensitive mental health-related text data for emotion detection.

KUET Whispers Dataset

– Curated and cleaned a bilingual (Bangla & English) dataset of 2,485 anonymized text submissions from the KUET Whispers anonymous student community.
– Prepared dataset suitable for NLP research in sentiment analysis, emotion detection, and potential mental health insights from student expressions.

BUETIAN Rhapsody Dataset

– Compiled an anonymized corpus of 977 student-generated posts (with timestamps and links) from BUETIAN Rhapsody.
– Designed for research in NLP, social computing, and sentiment analysis of student communities.

Other Projects

Road Accident Prediction – Kaggle Playground Series S05E10   29th place

– Regression task solved using Scikit-learn models and AutoGluon ensemble methods.
– Built a Streamlit web app for real-time road accident risk prediction.

Predicting Beats Per Minute – Kaggle Playground Series S05E09   38th place

– Regression problem solved with extensive model testing and AutoGluon fine-tuning.

SmartBuy: Product Order Management System   June–August 2024

– Full retail management system in C with file handling, dynamic memory allocation, and transaction logging.

Telegram Bot – KUET EEE '22   January–November 2024

– Chatbot providing 800+ students access to 3,000+ academic resources and lab documents.

nb2pdf – Streamlit App

– Web tool that converts Jupyter notebooks and Python scripts to PDF/HTML with additional features.

Professional Experience

Research Assistant – Hackules Inc.   January 2025 – Present

– Conducting research in Computer Vision.

Student Ambassador – Blackbox.AI   September 2024 – Present

– Community outreach to promote awareness of AI and machine learning applications.

Assistant Class Representative – Dept. of EEE, KUET   March–December 2024

– Coordinated departmental events and facilitated communication between 100+ students and faculty.

Certifications

– CS50's Introduction to Programming with Python (CS50P) – Harvard University
– Intro to Machine Learning – Kaggle

Technical Skills

- **Programming:** Python (primary), C, C++
- **ML/NLP Tools:** Scikit-learn, AutoGluon, Hugging Face Transformers, Streamlit
- **Development:** Git/GitHub, VS Code, Jupyter Notebook, Google Colab, Kaggle
- **Areas of Interest:** Generative AI, NLP, Computer Vision, Sentiment Analysis, Emotion Detection, AI for Mental Health

Honors & Awards

Perfect Attendance Certificate   July 2020 – October 2022
Awarded for maintaining over 95% attendance at Notre Dame College.

Community Involvement

Google Maps Local Guide (Level 7)   August 2023 – Present

- 500K+ views, 400+ photos, 13 places added, road updates.

Wikimedia Contributor (ID: sanjidh090)   August 2023 – Present

- Edited Bangla content and uploaded images of local cuisines.