SAKIB IMTIAZ

(+880) 1742-543509 | sakibimtiaz1998@gmail.com | Agent-1100 | sakib-imtiaz | Portfolio: My_Portfolio

Professional Summary

As a dedicated and methodical Computer Science & Engineering graduate, I specialize in advanced data analysis, machine learning, and large language models. My experience includes a role as a member of a research team where I have acquired a reputation for precision and adaptability. I have successfully navigated the intricacies of large language models and their applications in significant sectors, contributing substantially to advances in natural language processing. I am passionate about applying my analytical prowess and collaborative spirit to tackle innovative and challenging problems in a dynamic industry setting.

Research Interest

Machine Learning, Bioinformatics, Natural Language Processing, Large Language Models, Deep Learning, Artificial Intelligence

Education

2019 – 2024 **Bachelor of Science**
Computer Science & Engineering
Rajshahi University of Engineering & Technology (RUET), Bangladesh
CGPA: **3.55** on a scale of 4.00 (160 credit)
Position: Ranked in the first quartile among 180 students

Publications

1) ASGM-KG: Unveiling Alluvial Gold Mining Through Knowledge Graphs (submitted)
Debashis Gupta, Aditi Golder, ***Sakib Imtiaz****, Greg Larsen, Miles Silman, Luis Fernandez, Sarra Alqahtani, Fan Yang, Robert Plemmons, and V. Paúl Pauca.*

2) Analyzing the Performance of Sentiment Analysis using BERT, DistilBERT, RoBERTa and GPT-2 (STI-2024) (under review)
Sakib Imtiaz*, Emrana Kabir Hashi, and Md. Al Mehedi Hasan.*

Research Projects

1) Conversational Agent for Therapy Assistance

Our project aims to develop an intermediary chatbot to provide therapeutic support and assess symptoms of anxiety, depression, and suicidal tendencies through conversational sessions, complementing traditional therapy.

2) DNA Sequence Classification

This project develops computational methods to categorize DNA sequences based on nucleotide composition and patterns, utilizing techniques from machine learning, data mining, and bioinformatics.

3) Image Classification of Healthy and Spoiled Fruits and Vegetables

This project develops machine learning algorithms to automatically differentiate between healthy and spoiled produce using visual data, primarily through convolutional neural networks (CNNs).

4) A Robust Deep Learning Model to Detect Epilepsy Utilizing EEG Signals

This project develops a robust deep learning model for epilepsy detection using EEG signals, enhancing diagnostic accuracy and efficiency. This work focuses on leveraging neural networks to analyze complex brain wave patterns for early and precise epilepsy identification.

Technical Skills

Programming Languages	Python, Java, C, C++, HTML/CSS, MySQL, R
Database Design	Oracle, Cassandra
Technologies	Git, Tensorflow, PyTorch, NLP related tools and models (NLTK, Spacy)
Operating System	Windows, Linux

Awards

2024	**Research Excellence Award**
	Rajshahi University of Engineering & Technology (RUET)
2019-2022	**Bangladesh Technical Education Board Scholarship**
	Rajshahi University of Engineering & Technology (RUET)

Hobbies

Peer Tutoring, Volunteering, Reading Books (Novel, Science fictions, Tech news etc.)
Sports (Cricket, Football, Chess, Badminton, Video Games)
Watching movies, documentary, biography.
DYI projects and Origami.

Extra-Curricular Activities

Leadership, Self-Motivation, Teamwork, Community Service, Sports, Arts & Crafts, Culture, Academic Pursuits, Technology, Innovation, Social interaction, Personal skill development

References

1) Dr. Md. Shahid Uz Zaman

Professor,

Dept. of CSE, RUET, Bangladesh

Email: zaman@cse.ruet.ac.bd

Mobile: (+880)-1707006137

2) Emrana Kabir Hashi

Assistant Professor,

Dept. of CSE, RUET, Bangladesh

Email: Emrana.Kabir@cse.ruet.ac.bd

Mobile: (+880)- 1767616748

3) Md. Azmain Yakin Srizon

Assistant Professor,

Dept. of CSE, RUET, Bangladesh

Email: azmainsrizon@cse.ruet.ac.bd

Mobile: (+880)- 1790187189