

Hrithik Majumdar Shibu

Nationality: Bangladeshi **Date of birth:** 31/12/2001 **Phone number:** (+880) 01632700557

Email address: hrithik11804064@gmail.com **Github:** <https://github.com/Shibu4064>

Home: House No: 275, Ward No: 05, Binapani Girls School Road, Gopalganj Sadar, Gopalganj, 8100 Gopalganj (Bangladesh)

PUBLICATIONS

SUST Black Box at BLP-2023 Task 1: Detecting Communal Violence in Texts: An Exploration of MLM and Weighted Ensemble Techniques

[2023]

EDUCATION AND TRAINING

Bachelor of Science in CSE

Shahjalal University of Science & Technology [17/01/2019 – Current]

Address: Shahjalal University of Science and Technology University Ave, Sylhet, 3114 Sylhet (Bangladesh)

Field(s) of study: Information and Communication Technologies

Final grade: 3.58(on a scale of 4.00)

Thesis: Unraveling the web of information: A comprehensive study on Misinformation, Disinformation, Satire and Fake News

Discrete Mathematics, Matrices, Vector Analysis and Geometry, Data Structure, Calculus, Algorithm Design & Analysis, Basic Statistics and Probability, Object-Oriented Programming Language, Numerical Analysis, Theory of Computation and Concrete Mathematics, Complex Variables, Laplace Transform and Fourier Series, Database System, Operating System and System Programming, Computer Architecture, Introduction to Data Science, Computer Graphics and Image Processing, Artificial Intelligence, Machine Learning.

ACHIEVEMENTS

EMNLP - 2023 BLP Workshop

Ranked 18th globally in an international shared task competition organized by BLP under the EMNLP Conference 2023

PROJECTS

Research Projects

1. Disease Prediction Application

- A web-based disease prediction app that predicts the risk of a bunch of diseases using knowledge-based artificial intelligence using ML and ANN technologies after thorough research on the corresponding dataset
- Implemented data visualization techniques and many machine learning algorithms (SVM, LR, NN)

2. Automatic Number-Plate Detection for Bangladeshi Vehicles

- A deep learning-based research project in which I have implemented a system which can detect and store the number-plate of Bangladeshi vehicles to enhance security in roads and highways
- Implemented using OpenCV, EasyOCR and TensorFlow

3. A Benchmark Bangla Fake News Dataset and fake news detection

- A robust and vast dataset containing 47k authentic news and 13k fake news that has a great potential for detecting Bangla fake news.
- Implemented using python, LLM (BERT), Machine Learning algorithms (SVM, LR), etc
- Experimented different linguistic and characteristic features such as Unigram, Bigram, Trigram, C3-Gram, C4-Gram, etc

Academic Projects

1. Online Job Portal Management System

- A digital platform for finding jobs and recruiting online using one platform for both desktop and android version
- Implemented using HTML, CSS, MySQL, PHP, and JavaScript

2. Dictionary Traversal Web App

- A platform where, using a page's URL, one can find the words and their meaning that one might not know and many more fun things
- Implemented using HTML, CSS, Bootstrap, JS, React.js, Node.js, Restful APIs, etc.

3. *Shopify Bangladesh*

- This is mainly a fully functional e-commerce-based online shopping web application project, also for androids
- Implemented using HTML, CSS, PHP, MySQL, and Laravel Framework

DIGITAL SKILLS

Artificial Intelligence and NLP / Full Stack web Developer / Team-work oriented / Programming: C, C++, Java, Python, SQL / Frameworks: React, Node, Next, Typescript / Deep Learning and Computer Vision

LANGUAGE SKILLS

Mother tongue(s): **Bangla**

Other language(s):

English

LISTENING B1 READING C1 WRITING C1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

MANAGEMENT AND LEADERSHIP SKILLS

Creative & IT Secretary

Honored with the position of Creative & IT Secretary at Greater Faridpur Students Association-2022, SUST, Sylhet

Editor

I am honored to carry out my responsibilities as an Editor of a magazine for Ramakrishna Math & Mission, Dhaka

ORGANISATIONAL SKILLS

Public Relation Coordinator

I performed my responsibilities as a Public Relation Coordinator at HULT PRIZE at SUST in 2022

Operational Executive

I carried out my duties as an Operational Executive at SUST ACM Student Branch Chapter in 2022

VOLUNTEERING

Data Annotator and Volunteer

- I have been an annotator for a research project named "Emonoba: A dataset for analyzing fine-grained emotions on noisy Bangla texts" and "Bangla Word Stemming."
- I have been a volunteer at Bangladesh Mathematics Olympiad-2018 and a Conference named ICBSLP-2019

REFERENCES

Md Saiful Islam

Assistant Professor

Department of Computer Science & Engineering

Shahjalal University of Science & Technology, Sylhet, Bangladesh

Phone: +880-1717960979

Email: saiful-cse@sust.edu

Mahruba Sharmin Chowdhury

Assistant Professor

Department of Computer Science & Engineering

Shahjalal University of Science & Technology, Sylhet, Bangladesh

Phone: +880-191756699

Email: mahruba-cse@sust.edu