

# Hrithik Majumdar Shibu

**Date of birth:** 31/12/2001 | **Nationality:** Bangladeshi | **Phone number:** (+880) 01632700557 (Mobile) | **Email address:** [hrithik11804064@gmail.com](mailto:hrithik11804064@gmail.com) | **Github:** <https://github.com/Shibu4064> |

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## PUBLICATIONS

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

Hrithik Shibu, Shrestha Datta, Zhalok Rahman, Shahrab Sami, Md. Sumon Miah, Raisa Fairouz, and Md Mollah. [SUST Black Box at BLP-2023 Task 1: Detecting Communal Violence in Texts: An Exploration of MLM and Weighted Ensemble Techniques](#). In *Proceedings of the First Workshop on Bangla Language Processing (BLP-2023)*, pages 208–213, Singapore. Association for Computational Linguistics.

## WORK EXPERIENCE

01/09/2024 – CURRENT Narayanganj, Bangladesh  
**LECTURER IN CSE** R. P. SHAHA UNIVERSITY

- Preparing course outline, lesson plan, tutorial and conducting class lectures.
- Conducting and supervising students' projects and research studies.
- Supervising and guiding students' work and activities inside and outside the classroom.

## EDUCATION AND TRAINING

17/01/2019 – 29/02/2024 Sylhet, Bangladesh  
**BACHELOR OF SCIENCE(ENGINEERING) IN CSE** Shahjalal University of Science & Technology

Discrete Mathematics, Matrices and Geometry, Data Structure, Calculus, Algorithm Design & Analysis, Basic Statistics and Probability, Object-Oriented Programming Language, Numerical Analysis, Laplace Transform and Fourier Series, Database System, Operating System, Networking Systems, Computer Architecture, Data Science, Computer Security, Artificial Intelligence, and Machine Learning.

**Address** Shahjalal University of Science and Technology University Ave, Sylhet, 3114, Sylhet, Bangladesh | **Website** <https://www.sust.edu/> |

**Field of study** Information and Communication Technologies | **Final grade** 3.61(on a scale of 4.00) |

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

## 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 and has experimented with different linguistic and characteristic features as well as transformers.
  - Implemented using python, LLM (BERT), Machine Learning algorithms (SVM, LR), 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**

**Skills**

- **Programming Skills:** C, C++, Java, Python, SQL, PHP
- **Research Skills:** Machine Learning, Deep learning, AI, Computer Vision and NLP
- **Web Development Skills:** HTML, CSS, JavaScript, Laravel, Node.js, Express.js, Next.js
- **Frameworks & Tools:** Pytorch, Scikit-Learn, Pandas, Django, Yolo-v5, Django, Git, and Jupyter

- **LANGUAGE SKILLS**

Mother tongue(s): **BANGLA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	C1	C1	C1	B2

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

- **MANAGEMENT AND LEADERSHIP SKILLS**

**Vice President**

Honored with the position of Vice President at Greater Faridpur Students Association-2024, 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**

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Department of Computer Science & Engineering  
Shahjalal University of Science & Technology, Sylhet, Bangladesh  
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**Mahruba Sharmin Chowdhury**

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Department of Computer Science & Engineering  
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