

Nazmus Sakib Bhuiyan

School of Computer Science and Engineering
BRAC University
Dhaka, Bangladesh

01306621154
nazmus.sakib.bhuyan@g.bracu.ac.bd
Malibagh, Dhaka
[Github](#), [LinkedIn](#)

RESEARCH EXPERIENCE

- **Machine Learning Experience:**

- 2+ years of hands-on and research experience working in the Humanitarian Informatics Lab at George Mason University, Department of Information Sciences and Technology, Fairfax, VA.
- Specialized in analyzing user intent based on social media text using machine learning algorithms.
- Implemented machine learning models for real-world applications to address complex data challenges such as lack of training data, multi label, and label dependency.
- 3+ years of expertise in machine learning and deep learning algorithms.

- **Data Science Experience:**

- Applied advanced techniques, including data mining, Natural Language Processing (NLP), and human-centered computing methodologies to extract insights from social media text
- Demonstrated proficiency in designing interactive dashboards using Grafana for effective data visualization in addressing complex challenges.
- Proficient in designing interactive dashboards using data visualization tools such as Tableau for effective presentation and interpretation of complex data.
- Utilized Amazon Glue for efficient data preparation and transformation, contributing to streamlined data science workflows.

TECHNICAL AND SOFTWARE SKILLS

Programming languages and tools: Python, R, Java, C, MySQL, NoSQL, JavaScript, HTML, CSS, Bootstrap, Grafana, Tableau, draw.io, Hadoop, MongoDB

Cloud Platforms: Proficient in Amazon Web Services with hands-on experience in EC2, S3, Glue, Lambda, IAM, and RDS

Data Analytics:

- Natural Language Processing (NLP): Intent classification, Intent recognition, text analysis, Natural Language Understanding (NLU) techniques
- Statistical Analysis: ANOVA, Post Hoc Analysis, Chi-square Tests, Pearson's Correlation Coefficient
- Applied Machine Learning: Linear Regression, Random Forest, Support Vector Machines (SVM), Gradient Boosting, Naive Bayes, Decision Trees, Neural Networks, Large Language Models (BERT), Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), k-Means Clustering

EDUCATION

- **B.S., Computer Science and Engineering**

BRAC University, Dhaka, Bangladesh

2021 – 2025

CGPA/Percentage: 3.37/4 (WES Evaluated)

WORK EXPERIENCE

PROJECTS

- Wildfire Analysis and Risk Management and Unveiling Patterns such as the dominance of human-created fires and consistent prevalence of smaller wildfires
- Studying diverse user intent in social media response during Hurricane Irma
- Analysis of Global YouTube Statistics 2023
- Effects of COVID-19 on Students: Navigating Challenges
- Predictive Rating System for Amazon Product Reviews

HONORS AND AWARDS

- Participated in TREC CrisisFACTS data challenge 2023 which is an open data challenge designed to help disaster response agencies take advantage of online data sources during emergencies

CERTIFICATIONS

- AWS Academy Cloud Foundations | Amazon Web Services *November 2023*
- Top-up IT training | George Washington University, USA *March 2018*

LEADERSHIP AND SPECIAL SKILLS

- Director of Public Relations and Writings of Robotics Club of BRAC University (ROBU) *2017-2019*
- Director of Human Resources of BRAC University Chess Club (BUCHC) *2017-2019*
- Instructor of Basic Robotics Program, BRAC University Savar Campus, Bangladesh *2018*
- Instructor of Chess for underprivileged children of BRAC School, Dhaka, Bangladesh on behalf of BRAC University Chess Club (BUCHC) *2018*
- Writing team lead, Mongol Tori- Mars Rover made by BRAC University students for the University Rover Challenge (URC) organized by Mars Society, USA *2017*