Rafiul Hoque

Date of birth: 21/12/2002 | **Nationality:** Bangladeshi | **Phone number:**

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https://rafiulhoque.netlify.app/ | **LinkedIn:**

https://www.linkedin.com/in/rafiul-hoque-967164232/ | **Github:** https://github.com/hoque21 |

Address: Kazipara, 1206, Dhaka, Bangladesh (Home)

ABOUT ME

I am a passionate **Machine Learning Engineer** with a strong background in developing intelligent algorithms and data-driven solutions. With a solid foundation in statistics, programming, and data analysis, I specialize in designing and implementing machine learning models that drive business insights and improve decision-making processes.

EDUCATION AND TRAINING

01/12/2020 – 15/03/2024 Narayanganj, Bangladesh
BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING Green University Of Bangladesh

- **Machine Learning**: Supervised and unsupervised learning techniques, model evaluation.
- **Deep Learning**: Neural networks, TensorFlow, and Keras.
- **Programming**: Proficient in Python, R, and SQL.
- **Data Science**: Data preprocessing, statistical analysis, and visualization.
- **AI Ethics**: Understanding ethical implications and data privacy in AI.

Website https://www.green.edu.bd/ | **Field of study** Artificial Intelligence | **Final grade** 3.20 | **Type of credits** 144 |

Thesis Depressive and Suicidal Text-Based Sentiment Analysis In Bangla Using Deep Learning Models.

01/07/2017 – 09/05/2019 Dhaka
HIGHER SECONDARY CERTIFICATE Government Science College

Website https://www.gsctd.edu.bd/ | **Field of study** Science | **Final grade** 4.50

01/01/2012 – 25/03/2017 Rajbari, Bangladesh
SECONDARY SCHOOL CERTIFICATE Liaquat Ali Smriti School and College

Field of study Science | **Final grade** 5.00

WORK EXPERIENCE

10/12/2023 – 20/02/2024 Dhaka, Bangladesh
FRONT END DEVELOPER(INTERN) MM IT SOFT LTD.

- Proficiency in front-end languages and frameworks (HTML, CSS, JavaScript, React, API)
- Experience with responsive design and cross-browser compatibility
- Attention to user experience (UX) and accessibility

DIGITAL SKILLS

Python | Natural Language Processing | Computer Vision | JavaScript | React | Node.js | HTML | Tailwind CSS | SQL | Git | Firebase | Jira | Postman | Software testing

LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B1

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

● PUBLICATIONS

Depressive and Suicidal Text-Based Sentiment Analysis In Bangla Using Deep Learning Models.

Submitted and Under Review

Business & IT

Transformer-Based Sentiment Analysis for Classification Non-depressive and Suicidal Thought in Bangla Text.

Submitted and Under Review

Heliyon

Estimation of Postpartum Morbidities and Risk Factors of Women Presented for Postpartum Visit at a MOU, eThekwini, South Africa

Submitted and Under Review

Southern African Journal of Public Health

● PROJECTS

Heart Disease Prediction

- **An AI-based application that predicts the likelihood of heart disease in patients based on medical data.**
- **Technologies:** Python, TensorFlow, Machine Learning

Link https://github.com/hoque21/Heart-Disease-Prediction

Fake News Detection

- **A machine learning application that detects fake news articles by analyzing their content and sources.**
- **Technologies:** Python, Machine Learning, Natural Language Processing

Link https://github.com/hoque21/Fake-news-Detection

Diabetes Prediction

- **An application that uses artificial intelligence to predict the risk of diabetes in individuals based on health metrics.**
- **Technologies:** Python, Scikit-Learn, Machine Learning

Link https://github.com/hoque21/Diabetes_Prediction

Portfolio Website

- **A personal portfolio website showcasing projects, skills, and contact information.**
- **Technologies:** HTML, CSS, React, Tailwind

Link https://rafiulhoque.netlify.app/

Doctor Appointment System

- **A web application for scheduling doctor appointments, with user authentication and real-time notifications.**
- **Technologies:** HTML, CSS, Tailwind, JavaScript, React, Firebase

Link https://github.com/hoque21/Doctors-Appointment-Project-Client-site-

Qr-code-Genertor

- **A simple web application that generates QR codes for URLs or text inputs using JavaScript and HTML.**
- **Technologies:** HTML, CSS, JavaScript, Tailwind

Link https://github.com/hoque21/Qr-code-Genertor

School Management System

- **A web application for scheduling doctor appointments, with user authentication and real-time notifications.**
- **Technologies:** HTML, CSS, Tailwind, JavaScript, React, Firebase

Link https://github.com/hoque21/Doctors-Appointment-Project-Client-site-

HONOURS AND AWARDS

10/05/2014
Creative Talent Search Competition – Upazila Creative Talent Hunt Committee, Baliakandi, Rajbari.

- **Awarded 'Best Talent of the Year' in 2014 for outstanding performance in Mathematics and Computer at the Upazila-level Creative Talent Search Competition. Recognized for excellence among school-level students.**

16/08/2021
Graphic Design Course – Creative IT Institute

- **Received a certificate of achievement for the successful completion of a 3-month Graphic Design Course at Good Approach.**

VOLUNTEERING

20/01/2018 – 21/01/2018 Government Science College
1st Government Science College Photography Club National Photography Festival

- **Participated in activities promoting photography skills and visual storytelling among students.**

04/08/2017 Dhaka University
Dhaka University Science Festival

- **Participated in the DUSS Science Festival 2017, demonstrating scientific projects and experiments.**

15/01/2016 – 19/01/2016 Bir Muktijoddha Shaheed Khushi Railway Ground
3rd District Scout Gathering

- **Engaged in the 3rd District Scout Gathering - 2016, promoting scouting values and community service.**

25/12/2015 – 29/12/2015 Baliakandi Stadium
3rd Baliakandi Upazila Scout Gathering.

- **Participated in the 3rd Baliakandi Upazila Scout Gathering - 2015, fostering leadership and teamwork skills.**

20/12/2015 – 23/12/2015 Baliakandi Pilot Girls High School
4th National Power & Energy Camp

- **Attended the 4th National Power & Energy Camp 2015, focusing on renewable energy and sustainability.**

HOBBIES AND INTERESTS

Computer Vision

- **Exploring techniques for enabling computers to interpret visual information.**

Natural Language Processing

- **Working on the interaction between computers and humans through language.**

RECOMMENDATIONS

Mohammad Ehsan Shahmi Chowdhury Academic Advisor

As my academic adviser and mentor, I have had the honor of getting to know Mohammad Ehsan Shahmi Chowdhury; his remarkable capacity to motivate students and foster an engaging learning atmosphere has greatly enhanced my academic career.

Email ehsan@cse.green.edu.bd | **Phone** (+880) 01537691938

Link https://archive-site.green.edu.bd/faculty-profile/dept-of-cse/mohammad-ehsan-shahmi-chowdhury/

Md. Moshiur Rahman Research Supervisor

I've had the honor of working with MD. Moshiur Rahman as my mentor and research supervisor.His extraordinary capacity to motivate students and foster an engaging learning environment has greatly enhanced my academic career.

Email moshiur0001@bdu.ac.bd | **Phone** (+880) 01758310033