



## Rafiul Hoque

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

(+880) 01712075433 (Mobile) | **Email address:** [rafiulhoque21@gmail.com](mailto:rafiulhoque21@gmail.com) | **Website:**

<https://rafiulhoque.netlify.app/> | **Facebook:** <https://www.facebook.com/rafiulhoque21/> |

**LinkedIn:** <https://www.linkedin.com/in/rafiul-hoque-967164232/> |

**WhatsApp Messenger:** +8801611112940 |

**Address:** Vity,Kalukhali, 7720, Rajbari, 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** Machine Learning | **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	
<b>ENGLISH</b>	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

## ● 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](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.

## Data Science

---

- Analyzing and interpreting complex data to aid decision-making.