Rakib Hasan

Date of birth: 18/11/2001 | **Nationality:** Bangladeshi | **Gender:** Male | **Phone number:** (+880) 01632093102 (Work) | **Phone number:** (+880) 01930264029 (Home) | **Email address:** rakib15-3948@diu.edu.bd | **Website:** https://sites.google.com/diu.edu.bd/engrrakibhasan |

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Address: 2741 Moddhopara, Uttar Khan, Uttara, 1230, Dhaka, Bangladesh (Home)

ABOUT ME

Rakib Hasan is currently pursuing a Bachelor of Science degree in Computer Science and Engineering at Daffodil International University. He is competent in several programming languages, such as C, Java, Python, Assembly, and Dart, and is also skilled in data structure and algorithms, object-oriented programming, data mining, and machine learning. He has completed some projects using those languages. His strengths are that he is self-motivated, hardworking, disciplined, and quick learner. His short-term plan is to complete his graduation with a high grade, and his long-term goal is to attain an honest position wherever he will build his career as well as serve his nation.

EDUCATION AND TRAINING

01/01/2021 – CURRENT Bangladesh
BACHELOR OF SCIENCE Daffodil International University

Address Daffodil Smart City (DSC), Ashulia, Dhaka-1341, Bangladesh | **Website** https://daffodilvarsity.edu.bd/ |

Field of study CSE(Computer Science and Engineering)

01/06/2017 – 01/05/2019 Bangladesh
HIGHER SECONDARY SCHOOL CERTIFICATE Milestone College Uttara

Address 30 & 44, Gareeb-e-Nawaz Ave, Sector 11, Uttara, Dhaka 1230, Bangladesh | **Website** https://milestonecollege.com/ |

Field of study Science | **Final grade** 4.92 out of 5.00

01/01/2015 – 01/02/2017 Bangladesh
SECONDARY SCHOOL CERTIFICATE UttarKhan Union High School

Address High School Road, Uttar Khan, Dhaka 1230, Bangladesh | **Website** https://www.facebook.com/uttarkhanhighschool |

Field of study Sciences | **Final grade** 5.00 out of 5.00

01/01/2014 – 31/12/2014 Bangladesh
JUNIOR SCHOOL CERTIFICATE Nawab Habibullah Model School and College

Address 2 Shahjalal Avenue, Uttara, Dhaka 1230, Bangladesh | **Website** https://nhmsc.edu.bd/ | **Final grade** 5.00 out of 5.00

01/01/2011 – 31/12/2011 Gazipur, Bangladesh
PRIMARY SCHOOL CERTIFICATE Rayerdia Govt Primary School

Address Rayerdia, Kaligonj, 1720, Gazipur, Bangladesh |

Website https://www.facebook.com/profile.php?id=100071355159531&ref=py_c |

Final grade 5.00 out of 5.00, additionally awarded General Grade Scholarship

PUBLICATIONS

2024
Classifying Different Types of Smokers and Drinkers by Analyzing Body Signals using Machine Learning

Alcohol consumption and smoking are two of the leading preventable causes of mortality worldwide. Timely detection can play a vital role in preventing these kinds of addictions. To achieve that, our study utilized body signals to develop a machine-learning-based classification system for predicting the types of smokers and drinkers. We used Logistic Regression, K-Nearest Neighbors, Naïve Bayes, and Random Forest for the classification. It has been found that Naïve Baye and Random Forest both perform well among the four classification algorithms we have used. Random Forest performs better than Naïve Bayes in this regard. In terms of accuracy, precision, recall, and f1 score, Random Forest is the most superior model among the four, achieving the highest score for both smoker and drinker types. By considering all that, we can say that Random Forest would be a great choice for predicting the types of smokers and drinkers.

11th International Conference on Computing for Sustainable Global Development, Page(s):1060 - 1064

2024
Predicting Diabetes in Women through Machine Learning

Diabetes, a predominant non-communicable illness, presents a significant worldwide open well-being concern with rising incidence rates and noteworthy mortality around the world. Timely determination is essential to moderating the weakening impacts of diabetes. This study utilized the Pima Indian Diabetes Dataset to form a predictive model for diabetes discovery through the application of machine learning strategies. In-depth investigation is done, carefully comparing Logistic Regression (LR), K-Nearest Neighbors (KNN), Decision Trees (DT), Random Forests (RF), Ada Boosting (AB), and Gradient Boosting (GB). In terms of accuracy, precision, recall, and the F1 score, among other vital assessment measurements, they reliably and powerfully illustrate Random Forest's extraordinary performance, and it is clearly the most excellent choice for diabetes forecasting, according to this study, giving medical experts an important instrument for exact, convenient, and timely identification of this common and serious sickness.

11th International Conference on Computing for Sustainable Global Development, Page(s):1307 - 1311

PROJECTS

25/04/2024 – 31/05/2024
Quiz Application (HTML, CSS, JavaScript Project)

Introducing our innovative quiz application designed to streamline the learning experience for both teachers and students. With a user-friendly interface crafted using HTML, CSS, and JavaScript, teachers can effortlessly set questions under unique topic IDs. Students can join quizzes seamlessly, either through pre-assigned topics or by searching for specific topic codes provided by their instructors. Engage, learn, and excel with our interactive quiz platform.

Link https://github.com/engrrakibhasan/Quiz-Application-HTML-CSS-JavaScript-

01/11/2023 – 11/2023
Personal Portfolio (Flutter Project)

Our portfolio app is a hub where utility meets entertainment. Integrated seamlessly, you'll find a weather app for updates, a tic-tac-toe game for leisure, a calculator app for quick math, and a quiz app for interactive learning. Experience convenience and enjoyment in one dynamic application.

Link https://github.com/engrrakibhasan/RakibHasan_s_Portfolio

10/10/2022 – 31/10/2022
Restaurant Management System (Assembly Project)

Restaurant Management System is built to manage the details of the food chart and price. Cashiers or managers are the admin of this system. The project is built at the administrator's end thus only the administrator has access. The purpose of the project is to build an application program to reduce the manual work of managing the information on consumers' orders and their corresponding bills.

Link https://sites.google.com/diu.edu.bd/engrrakibhasan/projects/restaurant-management-system

10/09/2022 – 31/10/2022
MOTU (Python Project)

Voice Assistant is built to take action by user's commands. This Assistant improves user productivity by managing routine tasks like weather updates and time telling to the user and by providing top news, and information from online sources, playing videos from youtube, telling jokes random facts, and many more to the user. The purpose of the

project is to build an application program to reduce manual work and improves the productivity of the user and I named the assistant MOTU.

Link https://sites.google.com/diu.edu.bd/engrrakibhasan/projects/motuvoice-assistant

01/05/2022 – 30/06/2022
Fire Detection System (Application of IR flame sensor, applying Arduino Nano)

The Arduino Nano Fire Detector is a compact and reliable device designed for early fire detection in homes and small spaces. Utilizing the Arduino Nano microcontroller, this detector is equipped with temperature and smoke sensors to quickly identify potential fire hazards. When smoke or high temperatures are detected, the device triggers an alarm and can send notifications via Bluetooth or Wi-Fi to connected devices. With its small size and Arduino's versatility, it provides an affordable and effective solution for fire safety.

Link https://sites.google.com/diu.edu.bd/engrrakibhasan/projects/fire-detection-system

01/05/2021 – 28/07/2021
Library Management System (C Project)

Library Management System is built to manage the details of Admin, User, and Books. Librarian and his assistants are the admin and students and faculty members are the user of this system. The project is built at the administrator's end thus only the administrator has access. The purpose of the project is to build an application program to reduce the manual work for managing the information of books, admin, and students.

Link https://sites.google.com/diu.edu.bd/engrrakibhasan/projects/library-management-system

HOBBIES AND INTERESTS

Photography

Photography adds so much value to our lives by recording special events, people, and places, while also helping us learn and grow as people. It allows us to share our lives and experiences in meaningful ways, and it allows us to engage and have fun with other people.
Clicks: https://sites.google.com/diu.edu.bd/engrrakibhasan/hobbies/photography

Coding

Coding is a great hobby because it's simply a great skill to have. Coding is one of the most in-demand skills across any role and it's unlikely to slow down anytime soon.
Beecrowd Profile: https://www.beecrowd.com.br/judge/en/profile/548181

Travelling

Travelling keeps us busy during leisure. It is the best method to utilize time. Until a person breaks from the dull routine, physically and mentally, he cannot find satisfaction. Travelling helps us to achieve this break and rejuvenates us. I love to travel with my mates and family.
Travelling photos: https://sites.google.com/diu.edu.bd/engrrakibhasan/hobbies/travelling

LANGUAGE SKILLS

Mother tongue(s):   **BANGLA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C1	C1	C1

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

DIGITAL SKILLS

Microsoft Microsoft Word Microsoft PowerPoint Microsoft Excel Microsoft Outlook | Good listener and communicator | Organizational and planning skills | Social Media | Internet user | Team-work oriented | Critical thinking | Decision-making | Flexibility | Reliability | Presenting | Creativity | Google Docs | Motivated | Strategic Planning