MD. SHAKIBUL ALAM

📞 +880 1817562886 ✉️ shakib20000605@gmail.com

🔗 md-shakibul-alam-394504193 J0vial

Education

BRAC University	**2024**
Bachelor of Science in Computer Science and Engineering	*Dhaka, Bangladesh*

Grade: 3.61 out of 4.00

Adamjee Cantonment College	**2019**
Higher Secondary School Certificate(Science)	*Dhaka, Bangladesh*

Grade: 5.00 out of 5.00

Monipur Uchcha Vidyalaya and College	**2017**
Secondary School Certificate(Science)	*Dhaka, Bangladesh*

Grade: 5.00 out of 5.00

Technical Skills

Languages: Python, C+, PHP
Framework: Django, Laravel
Databases: MySQL
Tools: Burp Suite, N-map, Air crack-ng, Mininet
OS: Linux, Windows

Research

Real-Time DDoS Detection in Software-Defined Networks | *python, scikit-learn,mininet, RYU*   **2024**

- Developed and evaluated machine learning models (Random Forest, KNN, Decision Tree, Logistic Regression, Naive Bayes) for DDoS detection.
- Implemented Real-time network simulation in an SDN environment.
- Utilized advanced data preprocessing techniques (feature selection, data balancing, scaling).
- Simulated and detected real-time DDoS attacks.
- Contributed to cybersecurity with a combined approach of machine learning and SDN simulation.

Music Sentiment analysis | *python,scikit-learn, nltk, fasttext*   **2023**

- Demonstrated TextBlob's superior performance over VADER in sentiment analysis for music recommendations, highlighting its effectiveness in capturing nuanced emotional signals.
- Achieves an impressive accuracy rate of 60.44% when applied to the Vader lexicon. On the other hand, using the TextBlob analysis shows better results, with an accuracy of 66.48%.

Projects

Cricket fantasy Game | *php, Laravel , MySQL*   **2023**

- Users can create their dream team by selecting 11 players for the ongoing match while enjoying real-time updates and match status.
- Built a user-friendly admin panel, giving control to manage players, scores, and teams effortlessly for a smooth gaming experience.

Sleep Disorder Classification | *Python, Scikit-Learn*   **2023**

- Investigated the use of three ML models (Decision Tree, KNN, and Logistic Regression) to classify sleep disorders.

- Achieved highest accuracy of 92% with Decision Tree, indicating potential for more effective sleep disorder diagnosis.

Travel Planner | *PHP, Laravel*   **2023**
- Developed a comprehensive travel platform with secure authentication, user-friendly interface, and detailed trip planning features.
- Implemented an admin panel for efficient management of user data, package updates, and payment approvals.

Seasonal Change | *Python, PyopenGL*   **2023**
- Created a program simulating three seasonal conditions with interactive user input for displaying desired seasons.

Appointment | *Python, Django*   **2022**
- Designed a website for hospital-patient interactions, featuring user authentication, appointment booking, and admin tools for data management.

Fantasy World cup22 | *PHP, MySQL*   **2022**
- Established a fantasy football website allowing users to create and manage teams, earn points based on player performance, and view rankings.

Flood Detection | *Arduino*   **2021**
- Developed a flood detection system using water level and ultrasonic sensors, displaying information on an output device.

Extracurricular

Robotics Club   **2021 − 2023**
Executive   *BRAC University*
- Managed and organized SP Valorant Game Series for seasons 2 and 3.
- Volunteered and co-planned the "TRACTION Omni-verse" event in 2022.
- Planned and executed the "Global Industrial Impact of Robotics and Automation" seminar in 2022.

Neutrino ACC Science Club   **2018**
Volunteer   *Adamjee Cantonment College*
- During ACC National Carnival 2018, I I volunteered with the Neutrino ACC Science Club

Language

Bengali/Bangla, English, Hindi

Hobbies and Interest

Fitness, Gaming