

SHAKEEF AHMED RAKIN

Dhaka, Bangladesh | +8801749536212 | shakeef.rakin321@gmail.com

[LinkedIn](#) [GitHub](#)



SKILLS

Programming Languages

Proficient: Python, JavaScript

Familiar: C , PHP

Front-end Development

HTML5, CSS3 (Tailwind, Bootstrap), MaterialUI, React.js, Axios, TanStack Query, Firebase Authentication, Firebase Hosting, Netlify

Back-end Development

Node.js, Express.js, RESTful APIs, JWT, Middleware, Cors, Stripe API, MongoDB, MySQL, Vercel

AI and Machine Learning

Familiar: NumPy, Scikit Learn, Pandas, Matplotlib, Seaborn, NLP, OpenCV, TensorFlow

Tools

Vegas Pro, LaTeX

Interpersonal

Adaptable, Resilient, Quick learner, Deadline-oriented, Flexible

EDUCATION

Bachelor of Science in Computer Science and Engineering

May 2020 - Present

BRAC University - CGPA: 3.48/4.00

Cambridge International A Levels

June 2018 – November 2019

Mathematics (74%) | Chemistry (73%) | Physics (78%)

Cambridge International O Levels

June 2016 – November 2016

Mathematics (79%) | Add'l. Mathematics (77%) | Chemistry (86%) | Physics (78%) | English Language (77%)

PROJECTS

BloodBridge (MERN)

[Demo](#) [Client](#) [Server](#)

Blood Donation Website

- JWT-protected APIs with user-specific authorization in backend.
- Material UI used in developing the dashboards catering to various user types.
- TanStack Query for handling API responses.
- Stripe Payment API for setting up a funding system.
- Sharable blog posts to social media implemented by utilizing react-share.

Technologies Used: React, Tailwind, React-Router, MongoDB, Firebase, Axios, NodeJS, ExpressJS, MaterialUI, TanStack Query, Stripe, Jodit, react-share.

Offensive Tweet Detection and Categorization

[GitHub](#)

Natural Language Processing

- Developed a model to classify tweets as offensive or non-offensive from collected dataset (CITED).
- Categorized offensive tweets into specific types, such as Targeted Insults, Untargeted Insults, and Non-Offensive.
- Applied various preprocessing steps, including lowercasing, mention removal, symbol removal, tokenization, and lemmatization.
- Utilized TF-IDF to convert preprocessed text into numerical features for model training.
- Trained separate logistic regression models for offensive detection and category detection.

Technologies Used: Python, Pandas, Scikit Learn, NLTK, Jupyter Notebook, Logistic Regression

PROFESSIONAL COURSES

Complete Web Development Course With Jhankar Mahbub

December 2023

Programming Hero - Batch 8

SCIC-8: Job Hunting Battlefield

January 2024

Programming Hero - Batch 8 - Black Belt

CERTIFICATIONS

Top 10 Finalists - GDSC CRCE BitNBuild'24 Hackathon February 2024
Project: AgriBlockStorage- Logisitics Management Platform For Farmers

- Independently coded the project using the MERN stack for both front-end and back-end development.
- Implemented features and functionalities within the project, leveraging my expertise in the MERN stack.
- Collaborated closely with the team to ensure proper implementation of requirements and logics.

Participatory Certificate - GDSC KITAHACK 2024 January 2024
Project: ReWaste- Platform connects agricultural waste with energy producers sustainably.

- Collaborated with team leader to brainstorm ideas, shaping project concepts and business models.
- Played an active role in designing visually appealing slides to convey project features.
- Participated in development using MERN stack alongside the development team.

Top 10 Finalists - DevHack 2023 December 2023
Project : BillsGo - All in One Utility Bill Payment & Collection App

- Collaborated with the team leader to brainstorm ideas, contributing to the project's conceptualization, including the development of business models and visualizations.
- Took an active role in the design process, creating visually engaging slides that effectively communicated the project's features and value proposition

2nd Place - MyRapid Bus x UTM Data Hackathon 2023 September 2023
Project : MaintainIQ - Smart Maintenance Management System with AI

- Conducted comprehensive data preprocessing to ensure data quality and preparedness for analysis.
- Crafted informative data visualizations, providing valuable insights to facilitate decision-making.
- Developed a predictive model utilizing bus sensor data to forecast engine health, contributing to proactive maintenance strategies.

5th Place - InnoJam 2023 : Design your Cyberjaya Smart Sustainable City September 2023
Project: ReCycGo - B2B mobile app optimizing waste reduction through smart logistics

- Collaborated with the team leader in ideation and conceptualization.
- Took a lead role in designing presentation slides, effectively communicating the project's vision, features, and benefits during the competition.

ONGOING RESEARCH

An optimized deep-learning based pipeline for recognition of sign language from low-resolution thermal imagery
Shakeef Ahmed Rakin | Md.Tahjid Ahsan | Mohammed Intishar Rahman | Afif Alamgir Lizel | Md Sifat Mahmud

- Thesis paper on an optimized pipeline of sign language detection under low light conditions using thermal images of sign language with Larq, an open-source Python library.

Use of Artificial Intelligence in Different industry
Shakeef Ahmed Rakin | Adnan Shafi

- This article sheds some light on the topics of artificial intelligence and its advantages in various industries.

Performance Evaluation on Image Sharing Sites
Adnan Shafi | Shakeef Ahmed Rakin

- A paper comparing the performance of popular image-sharing websites, utilizing standardized metrics to provide valuable insight.

LANGUAGE

Bangla: Native, **English:** Fluent

REFERENCES

Emran Huda
Managing Director, Eunoia I.T Solutions (EIS)
emran.huda@eunoiaits.com, +60149952143