MD. FARHAN SADIK

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OBJECTIVE

A highly motivated Computer Science and Engineering undergrad with a strong foundation in web development. Proficient in ReactJS, Django, and MERN stack, with experience in creating responsive and user-friendly applications. Enthusiastic about taking on new challenges and contributing technical skills in a dynamic and collaborative environment.

EDUCATION

Undergraduate in Computer Science and Engineering — **Jun 2021 - Present**
BRAC University
- Major in Computer Science and Engineering .
- Final CGPA: 3.54 out of 4.00

HSC — **2017 - 2019**
Bogura Cantonment Public School and College
- GPA: 5.00 out of 5.00

TECHNICAL SKILLS

- **Programming Language:** Python, C++
- **Web Development:** MERN Stack, Django Framework, HTML, CSS, JavaScript
- **Machine Learning Tool:** Pandas, NumPy, TensorFlow, Scikit-learn
- **Database Management:** MySQL, MongoDB
- **Version Control:** Git, GitHub

PROJECTS

House Rental Website - University Project(Database Systems) — **2023**
- A house rental website designed for finding accommodations in Dhaka, particularly for newcomers.
- Built using Django and basic HTML, featuring booking management and search functions to connect tenants and property owners.

Education Platform Website - University Project(System analysis and design) — **2023**
- An online learning platform (inspired by BUX) where teachers can upload content, and students can enroll and learn.
- Built using ReactJS (frontend) and Django (backend).

Smart Blind Stick - University Project(Microprocessors) — **2023**
- Built using Arduino Uno and various sensors to aid visually impaired individuals.
- Equipped with obstacle detection and GPS navigation for enhanced mobility and independence.

Tailor Maven (Online Tailoring Service) - University Project(Software Engineering) — **2024**
- Developed a personalized tailoring website using MERN stack (MongoDB, Express, React, Node.js) with 3D suit visualization, body measurements, and Stripe for payments.
- Explored various features such as OAuth2.0 authentication, real-time admin-user messaging with Socket.io, custom suit design, order tracking, and gifting options.

Disaster Tweets Prediction using NLP - University Project(NLP) — **2024**
- Built LSTM and Bidirectional LSTM models to classify tweets as disaster or non-disaster, using GloVe embeddings with 56% coverage.
- Preprocessed text data with tokenization, padding, and sequence conversion; split data into 90:10 train-test ratio.
- Achieved 80.80% accuracy and 0.7541 F1-score, applied early stopping to prevent overfitting, and used Seaborn/Matplotlib for data visualization.