SAIFUR RAHMAN

WEB DEVELOPER

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About Me

By merging full-stack development and problem-solving using data, I create user-focused web solutions that balance functionality, performance, and innovation. My GitHub portfolio showcases this integration, where projects prioritize technical solidity and creative design.

Skills

Programming Languages: Python, Java, JavaScript, C++

Frontend: React, Chakra UI,HTML, CSS

Data analysis tools: Pandas, NumPy, Matplotlib

Database: MySQL

Backend: Django, Express, Node

Machine learning framework: Scikit-learn

Version control systems: Git/GitHub

Soft Skills: Problem-solving, Analytical thinking, Teamwork, Time management, Adaptability

Education

(2019 –2024)	**NORTH SOUTH UNIVERSITY** Bachelor of Science in Computer Science and Engineering	CGPA: 3.11/4
(2017 –2019)	**MANARAT DHAKA INTERNATIONAL COLLEGE** A Level (Science)	GPA: 3.0/5
(2016 –2017)	**MANARAT DHAKA INTERNATIONAL SCHOOL** O Level (Science)	GPA: 4.2/5

Projects

Portfolio

- Developed a dynamic and responsive portfolio using React that showcases my skills, projects, and experience in an interactive and visually appealing manner.
- Used React's component-based architecture to create a modular, maintainable, scalable code base.
- Delivered a seamless user experience across devices by embracing responsive design principles.
- Prioritized clean, intuitive design and effortless navigation to showcase my abilities in front-end development and user-centered design.

Enhanced full-stack ecommerce system

- Implemented core ecommerce features including: product CRUD operations, shopping cart functionality, admin dashboard controls
- Used Express.js to create API for the backend to manipulate Mongo DB schema.
- Used React.js in addition with Chakra UI to make the frontend.
- Implemented a cart function to keep record of the items that are to be bought.
- Used Zustand store to keep track of the items that go into the cart.
- Made an Admin panel in the frontend as well as an admin API in the backend to add products, update products and delete products.

Cybersentio: Advanced Social Media Threat Detection System
- Trained Several different models, such as; SVM, Decision Tree, Random forest, Adaboost and logistic regression classifier on different sets of social media toxic comment analysis datasets. Exploratory data analysis and data
- pre-processing was done on the datasets and new custom features were added using feature engineering. Created a web application and used API calls to use the model to create a text bot that will evaluate a given text
- as toxic.

How much culture is diffused in diffusion models
- Three advanced diffusion models—DreamShaper, Realistic Vision, and JaggurnautXL—were selected to assess cultural accuracy in image generation.
- Designed culturally specific prompts representing diverse countries and regions to evaluate the models' ability to generate accurate and representative imagery.
- It also designed metrics and evaluation criteria to systematically analyze the generated images for their quality and cultural fidelity to ensure a strong and objective assessment process.