Rafia Shahrin

+8801773667599 || rafiashahrin0106@gmail.com || Dhaka, Bangladesh
Codeforces || LinkedIn || GitHub

CAREER OBJECTIVE

Motivated and detail-oriented individual with a passion for creative problem-solving. Actively enhancing technical and analytical skills through hands-on projects and collaborative challenges.

TECHNICAL SKILLS

C (Expert) — C++ (Expert) — HTML(Expert) — CSS(Expert) — Javascript (Expert) — Java (Intermediate) — Python (Intermediate) — Swift(Intermediate) — MySQL Database — Laravel Framework — PHP — Android — Machine Learning — Image Processing — NLP — OpenGL

PROBLEM SOLVING EXPERIENCES

- Codeforces   180+ Solved
- Others   100+ Solved

EDUCATION

Higher Secondary Certificate (HSC)   *2017 - 2019*
Holy Cross College, Tejgaon, Dhaka
Bachelor of Computer Science and Engineering (B.Sc.)
2020 - Present
Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.

LANGUAGES

- Bangla
- English

ACHIEVEMENTS & AWARDS

- Python course, Coursera   *2022*

EXTRA-CURRICULAR ACTIVITIES

Vice President (Dhrupodi- Dancers' Association),
KUET, 01/2024 - Present
Event Organizer(BitFest 2025 - KUET CSE National Fest)
01/2025
General Member (KUET MARS Rover-Team Durbar), *KUET, 01/2023 - Present*

REFERENCES

Dr. K. M. Azharul Hasan
Professor, CSE, KUET
Email: az@cse.kuet.ac.bd
Dr. Kazi Md. Rokibul Alam
Professor, CSE, KUET
Email: rokib@cse.kuet.ac.bd

MAJOR PROJECTS AND THESIS

Bangla Grammatical Error Detection using Transformer-based Model(Thesis)
In my thesis, I aim to classify the grammatical errors in a sentence for Bangla language using natural language processing. A transformer based model will be used to detection and correction.

Nisshash-website
Technologies: Laravel Framework, PHP, Microsoft SQL Server, CSS, JavaScript
A dynamic plant selling website that offers user navigation, secure authentication, cart, review, donation, checkout functionality, a bunch of admin activities, and real-time order tracking.

EyeCanC
Technologies: Python, Django, HTML, CSS
A website that can detect if any person's eyes are closed or open in realtime and alert about drowsiness.

Nisshash-Java Application
Technologies: java, netbeans
A java application that works as a plant shop, user can login, register, add items to cart, give review, choose their suitable plants by giving quiz and give donation. Admin panel can edit shop items, check customers and reviews.

Book detection and Count
Technologies: Python
An image detection project that can identify the books from shelves and count the number of books.

Multimode Arduino Car Control via Bluetooth
Technologies: Arduino uno, Bluetooth module, Sensors, C++
A multimode car which can can detect obstacles and avoid it automatically. Using bluetooth control, the car can move in every sides.

CardiacRecorder
Technologies: Android Studio, Java
An android app which can store blood pressure and heart rate data of users.

Nisshash-Database(SQL)
Technologies: SQL,PLSQL
A complex database model that includes relationship between different entities for plant shop.

Math Chase
Technologies: Python, PyGame
A two player game where two series of numbers are given and player needs to max its score by choosing correct numbers.

Compiler Project
Technologies: Flex, Bison
A simple compiler with different features.