

Sonjoy Roy

✉ sonjoy209164@gmail.com ☎ 01776824938 📍 Dinaipur 🌐 Sonjoy Roy 🔄 Sonjoy209164

EDUCATION

B.Sc. in Computer Science and Engineering

Khulna University of Engineering & Technology (KUET) 🔗

CGPA: 3.70

01/2020 – present

Khulna, Bangladesh

SKILLS

Programming Languages:

C, C++, Python, SQL, Java.

Frameworks:

OpenGL, OpenCV, Laravel.

Database:

MySQL, Oracle, Firebase.

PROJECTS

SAFE READ - System Project 🔗

Developed a Bangla text classification and recommendation system using **our custom dataset** with three categories, based on **N-gram keyword matching**. Built an interactive **Streamlit web app** to filter age-appropriate content by category.

Car Rental Management System— Desktop Project 🔗

A **Java-based** desktop application designed to manage and track all car rental information efficiently. The application can recommend the most cost-effective car based on user preferences. It includes a feature to save car photos and generates rental bills in PDF format. **MySQL** is used as the backend database for storing and managing data.

Rupali Ash — Web Project 🔗

Developed an e-commerce website using **Laravel** to sell fish scales and related products. The system includes separate panels for admin, delivery personnel, and users. It features an order tracking system and uses **phpMyAdmin (MySQL)** as the backend database.

Furniture Management System — Database Project 🔗

This project utilizes an **Oracle SQL Plus 21c** database and follows with many simple and complex queries.

KUET Management System - C programming 🔗

A **C programming console-based system** utilizing **pointers, functions, structures**, and other fundamental programming concepts.

Cardiac Recorder — Android App 🔗

This Android app provides a straightforward, attractive, and user-friendly interface to help you keep track of your vital health information.

Game Automation by Hand Gesture-Image Project 🔗

The system recognizes the figure count by raw code of **open cv** functions like **contour detection, kanny edge detector**, and **background calibration** was also used for detecting hand.

THESIS

Teeth Segmentation Using a KAN-Enhanced Attention U-Net for Dental Radiographs.

Implementing Deep Learning Techniques for Word-Level Understanding in Bangla Lip Reading Using Visual Speech Recognition.

AWARDS

Dean's Award

Faculty of Electrical Electronic Engineering (EEE), KUET. Dean's Award for excellent result.

Solved 250+ problems on codeforces 🔗

Ranked 18th at Intra KUET Programming Contest 2023