Language Skills

- **Bengali**: Mother tongue
- **English**

Skills

Database Applications :

- Oracle
- MySQL

Programming Language:

- Python
- C++
- C#
- Java

Web Development :

- JavaScript
- JSON
- HTML
- PHP
- CSS

Tools & Applications:

- MATLAB
- Git
- Github
- Emu 8086
- Selenium
- Microsoft Office

Graphics Design:

- OpenGL

Md Saklain Mahmud

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About myself

I am Md Saklain Mahmud, a Computer Science and Engineering undergraduate with a strong interest in software development and software quality assurance. Passionate about building reliable and efficient software systems, I am skilled in programming, system design, and testing methodologies. Motivated by real-world problem solving, I aim to contribute to high-quality software products while continuously learning and adapting to emerging technologies.

Education & Training

BACHELOR IN COMPUTER SCIENCE & ENGINEERING

2022 - Current

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB) | Dhaka, Bangladesh

Higher Secondary Certificate

2018 - 2020

Comilla Residential College | Comilla, Bangladesh

Secondary School Certificate

2014 - 2018

Comilla Zilla School | Comilla, Bangladesh

Projects

Job Marketplace Website

Developed a full-stack Job Marketplace web application using HTML, CSS, PHP, and MySQL, designed to connect job seekers with employers through an intuitive and responsive interface. The platform includes features such as user registration, job posting, employer dashboards, and applicant management, with a focus on clean UI/UX design and secure, efficient database interactions.

Garments Waste Detector and Management System

A Software Engineering project aimed at reducing textile waste in the fashion industry. Utilized sensing technology, machine learning, and data analytics to detect defects, optimize material use, and identify reusable waste. Integrated into production lines to enhance efficiency, promote sustainability, and support ethical manufacturing practices.

e-Shop Management System

The project is based on a online shop management system. The project aimed to emphasize the usage and importance of databases in any operation related to management. The inescapable database concepts such as case illustration, ER diagram, normalization, finalization, table creation, and several queries were applied on the whole project idea. Thus, the project was completed for the use of better data integrity and efficiency for working on the management system of the e-shop.

Library Management System using Java

This project develops a comprehensive Library Management System using Java, designed to streamline library operations.It includes modules for book seeker registering, book borrowing, book returning and book availability. The system ensures efficiency, accuracy, and user-friendly functionality, making it an effective solution for library management.

SkyGate Airport Simulation

The main aim of this project is to simulate an airport environment using computer graphics. Along with a lot of realistic details such as airplanes, runway, airport terminals, and other dynamic objects. This simulation contains many scenes. It is quite interactive and immersive, enabling users to interact with the environment using keyboard and mouse functions. The project's development is done by implementing different computer graphics techniques to provide 2-D models and animation, simulating reality-for instance, the movement of aircraft, variations in lighting, and atmospheric conditions, shifting Day and Night etc.

Laser Alarm Security System

In response to the increasing demand for efficient security solutions, this project presents the development of a laser alarm security system using Arduino Uno microcontroller. The system utilizes a laser beam interruption detection mechanism to identify unauthorized intrusions and triggers alarms for timely alerting.

Cricket Team Management System using Database

The project is based on a cricket team management system. The project aims to emphasize the usage and importanceof databases in any operation related to management. The inescapable database concepts such as case illustration, ER diagram, normalization, finalization, table creation, and several queries were applied on the whole project idea. Thus, the project was completed for the use of better data integrity and efficiency for working on the management system of a cricket team.

+ Interests

1. Artificial Intelligence

2. Web Development

3. Debugging