# LYKA A. SACDALAN

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## OBJECTIVE

Motivated and detail-oriented aspiring Front-End Developer with a strong background in HTML, CSS, and JavaScript. Seeking an opportunity to apply technical skills and creativity in developing responsive, visually appealing, and user-friendly websites. Passionate about expanding knowledge in modern frameworks, improving problem-solving abilities, and contributing to collaborative projects that deliver meaningful user experiences. Highly driven to continuously learn emerging technologies, strengthen coding practices, and build innovative solutions that align with industry standards. Dedicated to becoming a valuable team member who not only adapts quickly to new challenges but also brings enthusiasm, fresh ideas, and a commitment to professional growth.

## PROJECTS

### Smart Trash Bin with Built-in Alcohol Dispenser · March 2025

Designed an innovative automated trash bin inspired by Optimus Prime's futuristic design, powered by Arduino Uno. The system uses an ultrasonic sensor for touchless operation—when a user approaches, two servo motors activate, transforming the bin's lid like a robot's mask to open dramatically, while an integrated alcohol dispenser sanitizes hands. An LCD screen adds personality with playful messages: "Wanna throw a trash?!" and "Feed Me!" upon detection. This project merges pop-culture aesthetics with smart hygiene, making waste management interactive and fun.

### Musical Studio Website · December 2024

Developed and designed an interactive website for a mock music studio, featuring a user-friendly interface with separate admin and user dashboards. Customers can book appointments and explore available instruments, while the admin dashboard allows for managing reservations and updating instrument listings. The website includes a reservation system and a visually engaging layout to enhance user experience.

### Software app with Database CRUD Operations · May 2024

Developed a Java-based concert ticket booking system with MySQL integration, implementing CRUD operations to manage user data. Designed a user-friendly form for inputting customer details (name, email, concert selection, and ticket quantity) and stored records in a relational database. Utilized JDBC for seamless connectivity between the Java application and MySQL, ensuring efficient data management for bookings.

## SKILLS

- Understanding of programming languages such as Python and Java
- Knowledgeable in web development technologies, including HTML, CSS, and JavaScript
- Capable of basic network configuration (Cisco)

## EDUCATION

**Bachelor of Science in Computer Engineering** · 2022 - present
Bulacan State University - Meneses Campus

**Senior High School (STEM Strand)** · 2020 - 2022
Our Lady of Fatima University

**Junior High School** · 2016 - 2020
Lux Mundi Academy

## CHARACTER REFERENCE

**Engr. Russel Irish Rafa**
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