



# DEWMITH MIHISARA

SOFTWARE ENGINEER  
UNDERGRADUATE

## ADDRESS :

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## EDUCATION

### GDSE - Graduate Diploma in Software Engineering

2022- Present

IJSE-Institute of Software Engineering

### GCE Ordinary Level

2011-2021

St.Aloysius College

## LANGUAGES

- English
- Sinhala

## CAREER OBJECTIVE

I'm Dewmith Mihisara, a software engineering student at IJSE. I'm passionate about tech and love solving problems. I enjoy teamwork and am eager to gain real-world experience. Let's connect and make a difference in the software engineering world!

## SKILLS

- **Programing Languages**

Java

- **Web Development**

HTML, CSS

- **Version Control**

Git

- **Database Management System**

MySQL

- **Frameworks**

Hibernate, JavaFX, Swing

- **Tools**

Visual Studio Code, IntelliJ Idea, Figma

- **Operating Systems**

Windows, MacOS, Linux

## RELEVANT COURSEWORK

- Object-Oriented Programming
- Database Management Systems
- Web Development
- Software Engineering Principles
- Object Relational Mapping
- Network Programming
- Socket Programming

# PROJECTS

## Pilisar - Waste Management System

Associate with Pilisar Organic Fertilizer Manufacturing Complex

- "Pilisaru" is a prize-winning waste management software created by Team Zyko.
- Team Zyko received the Best Teamwork Trophy at Innovesta 2023, an event hosted by IJSE.
- The software is named after the renowned Pilisar Organic Fertilizer Manufacturing Complex in Sri Lanka.
- Pilisar utilizes Java, JavaFX, MySQL, and CSS technologies.
- Its purpose is to improve waste collection, processing, and recycling, with a focus on sustainability.
- The team expresses gratitude to IJSE for the opportunity to showcase their teamwork and innovation.

## DKF - Garment Factory Management System

Associate with Dollar Kint Fabric

- Objective: Created for 1st-semester final project in IJSE's GDSE program.
- Factory Specs: Managed a garment factory with 30 sewing machines and a workforce of 40 employees.
- Functionality: Developed a comprehensive software solution to streamline operations.
  - Order Management: Handled orders from major clients like Brandix, recording specifications and schedules.
  - Accessory Management: Efficiently managed inventory, including fabric and threads.
  - Employee Management: Monitored attendance, processed payroll, and tracked performance.
  - Supplier and Buyer Management: Recorded supplier and buyer information, managing payments and deliveries.
  - Billing and Gate Pass: Automated billing and gate pass generation for materials.
- Technology Stack: Utilized Java, MySQL, JDBC, Jasper Reports, JavaFX, and CSS.
- Achievement: Recognized with 7th place in the GDSE program for this innovative project.

## D24 - Hostel Management System

Associate with IJSE

- Project: Developed the D24 Hostel Student Registration and Room Management System, a Java-based application.
- Tech Stack: Leveraged Java, JavaFX, MySQL, Hibernate, and a layered architecture to create a robust solution.
- Objective: The project aimed to simplify hostel room reservations for university students studying in the Colombo area.
- Achievements: Transformed the manual record-keeping system, resulting in increased operational efficiency and improved security for student and fee payment management.
- Responsibilities:
  - Led the design of a user-friendly interface using JavaFX to enhance the user experience.
  - Contributed to the implementation of a secure layered architecture, ensuring modularity and maintainability.
  - Developed and tested CRUD operations for managing student and room records.
  - Implemented access control and data protection measures to ensure the system's security.
- Results: Delivered a scalable and secure system capable of accommodating up to 125 students at a time.
- Impact: The project significantly streamlined hostel operations, simplifying the process of recording and managing student information. The system received positive feedback from hostel management for its contribution to operational efficiency..

## Chat App

Associate with IJSE

- Description: Designed and implemented a real-time chat system for Play Tech Pvt Ltd's customer service division.
- Achievements:
  - Enabled instant messaging with support for text, Unicode, emojis, and images.
  - Implemented robust user authentication and data encryption for security.
  - Optimized the system for performance and scalability to accommodate future growth.
- Technologies: Network Programming, Java, Javafx, CSS
- Results: Improved team communication and collaboration within the customer service division.

## CERTIFICATIONS

### Get Started with Figma (Coursera)

Credential ID : 5JDTHPFW5PVA

### Tech for Everyone (Sololearn)

Credential ID : CC-QSGJCY3G

### CSS (HackerRank)

Credential ID : 23179b029a93

### Introduction to java (Sololearn)

Credential ID : CC-NRG95PJB

### Java (Basic) (HackerRank)

Credential ID : 5ADC5A1C888E

### SQL (Advanced) (HackerRank)

Credential ID : C4B53C838C13

### SQL (Intermediate) (HackerRank)

Credential ID : F7FCC79535C9

### SQL(Basic) (HackerRank)

Credential ID : 0A5AAAD07B47