Savinda Jayasekara

softwere engineer (UG)

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🎓 Education

GDSE - Graduate Diploma in Software Engineering

2022- Present

IJSE-Institute of Software Engineering

GCE Advanced Level

2021

Stream - **technology**

Information and communication technology	• **C**
engineering technology	• **B**
science for technology	• **C**

GCE Ordinary Level

2018

dickwalla kumarathunga munidasa widyalaya

Profile

Motivated undergraduate software engineer with expertise in Java programming seeking opportunities to further develop skills and knowledge in web development. Committed to delivering high-quality, efficient, and user-friendly web applications.

Skill

- **Programing Languages**

  Java,python

- **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, Linux

RELEVANT COURSEWORK

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

PROJECTS

Pilisaru - Waste Management System
Associate with Pilisaru 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 Pilisaru Organic Fertilizer Manufacturing Complex in Sri Lanka.
- Pilisaru 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.

Project: Ikman Rental

- Description: Developed during the 1st semester as the final project, "Ikman Rental" is an rental platform aimed at connecting users with rental properties, vehicles, and equipment. The project incorporated JavaFX for the front end, CSS for styling, and Java with JDBC for backend functionality and database connectivity.

- Role: Lead Developer

- Responsibilities and Achievements:

- Designed and implemented the user interface using JavaFX, ensuring an intuitive and user-friendly experience. Developed the backend logic for user registration, property/vehicle listing, and booking management. Implemented secure database operations using JDBC to connect to a MySQL database, ensuring data integrity. Collaborated with team members to ensure seamless integration of front-end and back-end components. Utilized version control (Git) to manage the project's source code, allowing for efficient collaboration.

- Ikman Rental" secured the 10th position in our batch, demonstrating the project's functionality and quality.

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.

Project: Gmail Sender

- Description: Developed a robust Java application that utilizes the Google Cloud Console Gmail API to send emails efficiently to multiple clients simultaneously. The application featured a JavaFX-based user interface for ease of use.

- Role: Lead Developer

- Responsibilities and Achievements:

- Designed and implemented the user-friendly interface using JavaFX, simplifying the email-sending process.

- Integrated the Google Cloud Console Gmail API for secure and reliable email delivery.

- Developed functionality to manage client email lists and send personalized messages in bulk.

- Implemented error handling and logging mechanisms to ensure the application's robustness.

- Collaborated with team members to refine the user experience and troubleshoot issues.

- This project streamlined communication for clients, allowing for efficient mass email distribution.

GitHub - savindaJ

"Feel free to explore my GitHub profile and discover the projects I've been working on. You can find a collection of my coding endeavors, from software applications to programming challenges. Just go to my GitHub and dive into the world of my projects!"