



I'm Kawodya Arachchige

I am a problem solver and designer who can adapt to any situation. I enjoy working with data and using it to create new ideas and solutions.



[github](#)



[e-mail](#)



[linkedin](#)



[medium](#)



[behance](#)



[portfolio](#)



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PROJECTS

Point of Sale (POS) Management System / Medi Pro

Developed a POS system using Python and Flask for managing customers, medicines, and orders. The system supports full CRUD operations, real-time stock management, and order processing with automated calculations for discounts and totals. Integrated a MySQL database for secure data storage and retrieval. Implemented a RESTful API to handle data interactions efficiently

Tech Stack : Python, Flask,MySQL,HTML, CSS, JavaScript (AJAX),
Link : [medipro](#)

Note Collector

Developed a Java-based application using Spring and MySQL that allows users to collect, organise, and manage notes efficiently. The application features CRUD operations for notes, secure data storage, and intuitive organisation, making it easy for users to manage their notes.

Tech Stack : Java, Spring Framework,MySQL
Link :[NoteCollector](#)

Fuel Inventory Management system / Fuel Bee

Developed a JavaFX application for managing fuel inventory in an organised and efficient manner, following a layered architecture. The system allows tracking fuel levels, managing suppliers, placing orders, recording payments, and generating detailed reports. It features real-time monitoring, automated notifications for low fuel stock and payment reminders, as well as secure user authentication with password encryption. The application integrates with Jasper Reports for PDF generation and the JavaMail API for sending email notifications.

Tech Stack : JavaFX, CSS,Java, JDBC,Jasper Reports,SMTP,MySQL
Link : [FuelBee](#)

Java Socket Chat Application /BatTalk

Developed a real-time chat application using Java Sockets for communication between multiple users. The application features both server and client architecture, allowing users to create accounts, log in with email and password, reset passwords, and exchange text, images, GIFs, and emojis. It includes secure login and real-time message exchange across multiple clients, providing a smooth and interactive chat experience.

Tech Stack : JavaFX, CSS,Java, Java Socket Programming,MySQL,SMTP
Link : [BatTalk](#)

Music Player

Developed a user-friendly JavaFX application that allows users to select and play MP3 songs from their local file system. The application includes features for controlling song playback (pause, resume, stop, and skip), adding songs to a favourites list, and displaying song metadata such as title and artist.

Tech Stack : JavaFX, Swing,Hibernate
Link :[MusicPlayer](#)

Library Management System/BookWorm

Developed a comprehensive Library Management System with a JavaFX interface that enables both administrators and users to efficiently manage library operations. The system supports user and book management, branch details, borrowing history, and book purchasing. It also includes automated email notifications for overdue books and personalised settings for users.

Tech Stack : JavaFX, CSS,Hibernate,SMTP
Link :[BookWorm](#)

Clothing E-commerce Website/Tenvo

Developed a responsive e-commerce platform for clothing items, offering a seamless shopping experience across devices. The website includes product listings with detailed descriptions, a search and filter function, and an order and shipping system for efficient online purchases.

Tech Stack : HTML,CSS,JavaScript
Link :[Tenvo](#)

POS Management System/VeigePop

The POS Management System is a comprehensive tool designed to streamline Point of Sale (POS) tasks. It enables efficient management of customers, items, and orders, with functionality for creating, updating, searching, and deleting records. The system includes customer and order management features, real-time inventory tracking, and reporting capabilities, ensuring smooth retail operations.

Tech Stack : HTML,CSS,JavaScript,Tailwind,Chart.js,Fetch,Java EE,JNDI,SLF4J,MySQL
Link :[VegiePop](#)

Portfolio Website

A responsive and user-centric portfolio website designed to showcase my skills, experience, and projects in full-stack development. The website provides a smooth and intuitive browsing experience, optimised for mobile, tablet, and desktop devices.

Tech Stack : React,HTML,Tailwind CSS,JavaScript,
Link :[KittyWeb](#)

EDUCATION

Graduated Diploma in Software Engineering
March 2023 Present / Full-time
Institute Of Software Engineering -IISE

Advanced Mobile & Web Development
May 2024 PRESENT / Part-time
Academy Of Computer Programming & Training

Higher National Diploma In English
May 2024 PRESENT / Part-time
IMBS Green Campus

Advanced Level
August 2018
Physical Science Stream
Sujatha Vidyalaya - Matara

SKILLS

UI/UX Design

Figma

Backend Development

Python, Java,C++, Swift ,SQL

Frontend Development

HTML , JavaScript , CSS
Tailwind

Frameworks & Libraries

Spring , Flask , Jakarta EE,
Hibernate, BeautifulSoup
react ,Pandas ,Tkinter,
SQLAlchemy , Jackson,
SLF4J , JDBC , JavaFX,
Swing

Cloud Platforms

Firebase ,AWS

Operating System

Mac , Linux , Windows

Version Controls

GitHub