

KAVEESHA SULAKSHANA

FRONT-END DEVELOPER

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kaveesha-sulakshana



Kaveesha-2003

ABOUT ME

I am a computer science undergraduate at Informatics Institute of Technology with competence in **HTML5, Python, Java, JavaScript, Next.js, Dart, and Kotlin**. I have a strong foundation in front-end and software development, with a focus on client-side web development and mobile applications. Known for my problem-solving skills and collaborative approach, I have successfully contributed to productive team projects. I am eager to explore new opportunities to apply and enhance my technical abilities.

TECHNICAL SKILLS

Programming Languages

- Java
- Python
- Dart
- HTML
- JavaScript
- Kotlin

Frameworks & Libraries

- React.js
- Next.js
- Node.js
- Flutter

Tools & Technologies

- Git
- Firebase
- Android Studio
- VS Code
- IntelliJ

Database

- Firebase Realtime Database
- My SQL

PROJECTS

Real-Time Septic Tank Monitoring Mobile Application

Flutter (Dart)

- Designed and developed the front-end mobile interface using Flutter and Dart for real-time IoT-based tank monitoring, ensuring a smooth and user-friendly experience.
- Collaborated with the backend team to connect the interface with a scalable Spring Boot backend for seamless data flow and system operations.
- Worked with IoT devices to collect real-time tank level data and transmit it to the cloud for monitoring and alerts.
- Integrated Firebase Realtime Database and MongoDB for efficient data storage and real-time processing.

Estate Agent Client-Side Web Application

JavaScript | React.js

- Developed a React.js-based real estate web application for property searching and listing.
- Implemented an interactive search system with filters for property type, price, bedrooms, and location using JSON data.
- Designed a responsive and accessible UI with custom React components, widgets, and tabs to enhance user experience.
- Integrated features including favorite property lists, drag-and-drop functionality, and image galleries for better user engagement.

Personal Finance Tracker

Python | Tkinter

- Developed a Personal Finance Tracker using Python and Tkinter with an interactive GUI for easy expense management.
- Designed CRUD functionalities (Add, Update, Delete) for seamless transaction management.
- Integrated search and sorting features to efficiently handle and organize financial records.
- Implemented error handling and data validation to ensure accurate input and prevent inconsistencies.

Student Management System

Java

- Developed a Java-based system to efficiently manage student academic records.
- Implemented core functionalities: student registration, deletion, searching, and sorting.
- Integrated file handling to persistently store and retrieve student details.
- Optimized data management by implementing sorting algorithms for efficient student record handling.

Real-Time Event Ticketing System

Java | JavaFX

- Developed a multi-threaded event ticketing system using Java and JavaFX for real-time ticket release and purchase.
- Designed a scalable and synchronized ticket management system to ensure data integrity in a multi-threaded environment.
- Built a responsive JavaFX GUI to provide a seamless user experience for both ticket vendors and customers.
- Applied object-oriented programming (OOP) principles such as inheritance, polymorphism, abstraction, and encapsulation to ensure modular and maintainable code.

Android Dice Game Application

Kotlin, Jetpack Compose

- Built dice game app using Kotlin & Jetpack Compose
- Implemented rerolls, scoring, and win conditions
- Added computer AI with random strategy, Handled screen rotation with full state retention
- No third-party libraries used, only Android APIs

Education

BSC (Hons) Computer Science

Jan 2024 - Present

Informatics Institute of Technology, Bambalapitiya.

FOUNDATION

May 2023 - Dec 2023

Informatics Institute of Technology, Wellawatta.

Merit Award

G.C.E Ordinary Level Examination

2019

6 B's & 3 C's (Siridhamma College)

G.C.E Advanced Level Examination.

2022

2 C's & S (Siridhamma College)

MORE INFORMATION

Languages: English, Sinhala.

Extra Activities

- Photographer
- Videographer.
- Social media content creator.
- Member of school scout team.
- Member of school cricket team.

Achievements

- Completed foundation in IIT with Merit Pass
- Football team captain (Siridhamma College)

REFERECES

Mr. Sanjula Samarasekara

Assistant lecturer, Department of
Computing

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