

# JANINDU CHAMOD

UNDERGRADUATE  
SOFTWARE ENGINEER

## PROFILE

I am a Bachelor of Science undergraduate in Information Technology, specializing in **Software Engineering at SLIIT**. My expertise lies in **Full-Stack Development**, particularly with **JavaScript frameworks, Mobile frameworks, and SQL**. Through both academic work and hands-on experience.

I have developed the skills to create reliable **web applications** and user-friendly interfaces. I am proficient in **modern frameworks** and **object-oriented programming** and **design patterns**. I excel at solving complex problems efficiently. Passionate about technology and innovation, I am eager to contribute to impactful projects and further hone my skills in the IT industry.

## PROJECTS

### DigitalWave

A web application to enhance user experience in digital advertising section.

#### Technologies

**HTML, CSS, JAVASCRIPT, PHP, MYSQL**

- Led a team of 4 developers to successfully design, develop, and deploy a full-stack web application, ensuring project milestones were met on time.

### EcoRide

A secure web application for E-vehicle renting and other services with JWT authentication, Role base authentication by using MERN Stack

#### Technologies

**REACT.JS, NODE.JS, MONGODB, EXPRESS.JS**

- Led a team of 8 members, overseeing project planning, development, and deployment of a secure web application, ensuring timely completion of all project phases.
- Role-Based Authentication: Implemented JWT authentication and role-based access control, securing sensitive data and restricting access to specific services based on user roles (admin, owner, driver, customer).

### Magic Box

Puzzle mobile game developed by using kotlin for Android devices.

#### Technologies

**KOTLIN, ANDROID STUDIO**

- Developed a puzzle mobile game from concept to deployment using Kotlin, ensuring smooth performance and responsiveness on Android devices.
- Designed the game's user interface and experience in Figma, focusing on an intuitive layout and engaging visual elements to enhance user interaction.

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## EDUCATION

2022 - Present

SLIIT - MALABE, SRI LANKA

- Bachelor of Science - BS, Information Technology
- Cumulative GPA: 3.46

2020 - 2021

IJSE - GALLE, SRI LANKA

- CMJD - Comprehensive Master Java Developer, Computer Software Engineering (Diploma)

## SKILLS

### Programming Languages

- Java
- Python
- JavaScript
- C/C++
- SQL
- TypeScript

### Frontend Development

- React.js
- Angular
- React Native
- HTML5/CSS3
- Flutter
- Tailwind CSS
- UI / UX

### Backend Development

- Node.js
- Express.js
- PHP
- Spring Boot (Beginning)
- GraphQL (Beginning)

### Database Development

- SQL (MySQL, SQLite)
- NoSQL (MongoDB, Firebase)

## PROJECTS

### SpendWise

SpendWise is a secure expense tracker application designed to help users effectively manage and visualize their financial data.

#### Technologies

**REACT, TAILWIND, MONGODB, GRAPHQL, NODE.JS, EXPRESS.JS**

- A modern expense tracker to manage and visualize spending with dynamic charts. Features secure authentication and responsive design for all devices.

### SmartAgri

An agricultural platform designed to optimize farming practices through genetic engineering, pest management, and fertilizer recommendations

#### Technologies

**MERN STACK (MONGODB, EXPRESS.JS, REACT.JS, NODE.JS), VITE**

- Implemented a Genetic Trait Matching feature, allowing farmers to select customized genetic plans based on specific crop requirements and environmental conditions.
- Led 3 members to the design and development of rate-based fertilizer recommendation systems, Fertilizer Distribution system and real-time pest management tools, improving farm efficiency by targeting Sri Lankan agricultural practices.

### PureDrops

A mobile app focused on promoting water conservation and facilitating water donations to underserved communities

#### Technologies

**FLUTTER, FIREBASE, FIGMA**

- Led 3 members to develop a mobile app that helps users track daily water consumption, set personalized water-saving goals, and monitor progress over time.
- Designed a user-friendly interface in Figma, ensuring a seamless user experience for both donors and recipients.
- Integrated Firebase Authentication for secure login and user management, enabling role-based access for water donors, requesters, and trackers

### Homi

Full-stack real estate application built with React Native and powered by Expo SDK 52, designed to deliver a seamless property browsing experience. With features like Google Authentication, Dynamic Property Listings, and User Profile Management

#### Technologies

**REACT NATIVE, TYPESCRIPT, TAILWIND, EXPO, APPWRITE**

### Book Finder

Designed to help users discover and explore books effortlessly. Leveraging the Google Books API, this application offers a seamless interface for searching, viewing, and learning more about books.

#### Technologies

**REACT, TAILWIND, GOOGLE BOOKS API**

- A responsive book search app with detailed book information, interactive 3D models, and animations for an engaging user experience.

### Minator

A admin dashboard designed for gym operations. Management of members, trainers, classes, and plans. Features include interactive data visualization.

#### Technologies

**REACT, TAILWIND, FIREBASE, NODE.JS, EXPRESS.JS, JWT, LOTTIE ANIMATIONS**

- A gym management dashboard with member, trainer, class, and plan management. Features secure authentication, data visualization, and responsive design.

## CERTIFICATES

FEB 2022

**Diploma in Comprehensive Master Java Developer IJSE**

JUN 2024

**React.js Essential Training LinkedIn Learning**

JUL 2024

**React (Basic) HackerRank**

JUL 2024

**Frontend Developer (React) HackerRank**

JUL 2024

**SQL (Basic) HackerRank**

JUL 2024

**Meta Front-End Developer - React Basics Coursera**

JUL 2024

**Build a Google Firebase Web Application Coursera**