

Thamara Perera

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PROFILE

Motivated Software Engineering undergraduate at IIT with hands-on experience in full-stack and mobile development. Proficient in **Java**, **Python**, **JavaScript**, **React**, **Flutter**, **Firebase**, and **MySQL**. Well-versed in core computer science concepts, including Algorithms, Data Structures, and Object-Oriented Programming (OOP). Passionate about building real-world applications and eager to contribute to impactful projects through an internship opportunity.

EDUCATION

- BEng (Hons) Software Engineering, **University of Westminster, UK (IIT)**
2023 – 2027
- Ordinary Level, **Maliyadeva College Kurunegala**.
Kurunegala, Sri Lanka

PROJECT EXPERIENCE

EduPapers LK

Developed a comprehensive Android mobile application providing Sri Lankan students access to educational papers across all academic levels (Grade 1-11, O/L, A/L, University). Implemented Firebase authentication with secure user registration, login, and password recovery. Built paper management system with categorized browsing, advanced search functionality, and real-time filtering. Created user engagement features including favorites system, download tracking, and personalized profiles with statistics. Designed modern UI using Material Design 3 with Jetpack Compose and integrated Firestore for seamless data management.

Tech Stack: **Kotlin** · **Android Studio** · **Firebase Authentication** · **Firestore** · **Jetpack Compose** · **Material Design 3**

Role: **Full-stack Mobile Developer**

GitHub Repository: [SriEdu](#)

PawRescue

Developed both the front-end and back-end of a mobile app using **Dart** and **Firebase**. Designed and implemented a pet-focused social media feature where users can post about lost/found pets and share updates. The app enables real-time pet tracking, provides access to veterinary services, and offers an online store for pet food and medicine.

Tech Stack: **Flutter (Dart)** · **Firebase**

Role: **Full-stack Developer (Front-end & Back-end)**

GitHub Repository: [PawRescue](#)

Movie Knowledge App

Built a movie database application using **Kotlin** that allows users to add new movies, search for actors, and discover all movies featuring a selected actor. Integrated with a third-party movie API to fetch dynamic content and ensure accurate search results.

Tech Stack: **Kotlin**

GitHub Repository: [Movie Finder](#)

Dice Game

Developed a competitive dice game where the user plays against the computer. Implemented advanced game logic with randomized rolls, win/loss tracking, and tie-breaker scenarios to simulate strategic gameplay.

Tech Stack: **Kotlin** · **Android Studio**

GitHub Repository: [Dice Game](#)

Waste Management App

Developed a Flutter-based mobile app to help users manage waste disposal schedules and promote efficient waste handling practices.

Tech Stack: **Flutter**

Financial Tracker

Created a desktop application for tracking income, expenses, and budgets with an interactive graphical interface.

Tech Stack: **Python · Tkinter**

Student Management System

Built a console-based Java application to manage student records, grades, and timetables with CRUD functionality and input validation.

Tech Stack: **Java**

Healthcare Website

Designed and developed a healthcare website providing access to medical information and services through a responsive and clean UI.

Tech Stack: **HTML · CSS · JavaScript**

GitHub Repository: [Healthcare Site](#)

KEY COMPETENCIES

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|----------------------------|--|
| • Development Technologies | Java , Python , JavaScript , Dart |
| • Front - End Technologies | HTML5 , CSS3 , React |
| • Back-End Technologies | Firebase , MySQL |
| • Mobile App Developments | Flutter , Kotlin |

INTERMEDIATE SKILLS

- Able to communicate effectively with others
- Open to new ideas and willing to learn new ways of doing things
- Independent and self-reliant, but also a team player
- A flexible mindset for workplace adaptability
- Able to manage time and solve problems effectively
- Capable of contributing to both technical and creative aspects

EXTRACURRICULAR ACTIVITIES

Volunteer IEEE Computer Society IIT
2024 - Present

Photography Society Member
2019

Grade 1 Certificate in ABRSM
2018

Junior Western Band Member
2017

School Football Team Member
2017

REFEREES

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Informatics Institute of Technology (IIT)
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