

KASUNI ABEYNAYAKE

No 99/3,Ramahara Rd, Kaduwela | +94 76 756 8864 | kasuniabeynayake01@gmail.com

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

I am a Computer Science undergraduate with a solid foundation in software development and team collaboration. I bring strong communication skills and a proactive approach to designing practical, user-centered solutions. I enjoy contributing to group efforts, continuously learning, and applying technology to real-world challenges.

WORK EXPERIENCE

Option 4 Software Solutions (Startup) | UI/UX Designer & Full-Stack Developer – Intern **Dec 2024 - May 2025**

- Designed and developed responsive UI components using Figma, React, and Tailwind CSS to enhance user experience across web applications.
- Built and integrated RESTful APIs with Node.js and Firebase, ensuring secure data flow and consistent design-to-development handoff.

EDUCATION

Plymouth University, affiliated with NSBM Green University **2022-2025**

- Bachelor of Science with Honours in Computer Science
 - Second Class Honours (Upper Division)** (Programme Aggregate Final Mark - **66.93**)

ESOFT Metro Campus **2022-2023**

- Pearson Assured Diploma in Information Technology (DiTEC)
 - Grade: Distinction**
- Pearson Assured Diploma in English (DiE) - 2022
 - Grade: Distinction**

Sri Rahula Balika Maha Vidyalaya, Malabe **2020 - 2007**

- Successfully Completed GCE Advanced Level Examination in Biological Science Stream - 2020
- Successfully Completed GCE Ordinary Level Examination - 2017

PROJECTS

1. EnFauna – Integrated Wildlife Conservation Platform **Sep 2024 - May 2025**

Individual Final Year Project | Tools: React, TailwindCSS, Node.js, MongoDB, Firebase, PyTorch, Cloudinary | [GitHub](#)

- Conducted research on applying information technology in wildlife conservation to inform platform features and stakeholder engagement.
- Built a mobile-first web app for wildlife awareness, incident reporting, and conservation fundraising in Sri Lanka.
- Implemented a responsive frontend with React (Vite) and Tailwind CSS; introduced Firebase authentication (email/Google OAuth) for secure user access.
- Developed and structured RESTful APIs using Node.js, Express, MongoDB, and Mongoose for efficient data handling.
- Integrated and refined a PyTorch-based AI model (ResNet18), achieving **99.01%** accuracy in classifying wildlife images, supporting species identification and threat monitoring.

2. Flixora - Cinema Booking System **Dec 2024 - Jan 2025**

Frontend Developer and UI/UX Designer | Tools: React (Vite), Tailwind CSS, Node.js, Express.js, MongoDB Atlas, Socket.IO, AWS S3, GitHub, Docker | [GitHub](#), [Figma](#)

- Implemented reusable React components and Tailwind CSS styles for both user and admin interfaces, accelerating development cycles; reduced front-end development time by 25%.
- Designed UI/UX with Figma and implemented dynamic seat selection, booking flow, and media display.
- Integrated real-time features with Socket.IO for seat availability and booking updates.

3. Medsync – Medical Information Management System with QR code System

Feb 2024 - Jul 2024

Web Developer and Planning Leader | Tools: PyQt5, Firebase, OpenCV2, Pillow, PHP, Bootstrap 5.3 | [GitHub](#)

- Conducted multiple studies and developed the system specifically to modernize patient data management in Sri Lanka's government hospitals.
- Designed the desktop application UI using PyQt5 and integrated a QR code scanner with OpenCV2 and Pillow for efficient patient identification.
- Implemented the external website homepage using Bootstrap and PHP to support broader accessibility.

4. VistaRoom – Web-Based Interior Design Visualizer

May 2025

Project Leader and Full-Stack Developer | Tools: React 18.3, React Three Fiber, Tailwind CSS, Firebase, Zustand, Figma | [GitHub](#), [Figma](#)

- Developed a web-based interior design tool using React, Tailwind CSS, and Firebase, allowing users to create and visualize 2D room layouts.
- Contributed to testing key features for responsiveness, usability, and functionality across devices.
- Assisted in project documentation, including technical details, user guidance, and system architecture.

5. GreenStay – Student Accommodation Finder

Mar 2024 - Apr 2024

Web Developer and QA Engineer | Tools: HTML, CSS, JS, PHP, MySQL, Google Maps API | [GitHub](#)

- Managed the webmaster interface to maintain and update platform content effectively.
- Designed and implemented a structured MySQL database to support real-time accommodation listings.
- Prepared and executed test cases to ensure reliable functionality across user interactions.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS, C, Python
- **Frameworks:** React, Next.js, C# (.NET), Express.js, Tailwind CSS, Bootstrap
- **Database:** SQL, NoSQL (MongoDB, Firebase)
- **Design & Prototyping:** Figma
- **DevOps:** Git, GitHub, Firebase

EXTRA CURRICULUM

- Western Province Band Competition: Senior Western Keyboard, 2nd place (2013)
- Inter School ICT Day Competition: Best Presentation, 1st place (2015)
- Member of ICT Community of Sri Rahula Balika Vidyalaya (2015–2017)
- Member of Science Students Society of Sri Rahula Balika Vidyalaya (2018–2020)
- Member of Media Unit at ESOF Metro College Battaramulla (2023)
- Successfully completed the Industry Preparation Training Program (IPT) Conducted by NSBM Green University Faculty Of Computing (2024)

REFERENCES

Mrs. Nethmi Weerasingha

Former Lecturer, Department of Computer and Data Science, Faculty of Computing, NSBM Green University
+94 71 271 7158
nethmi.w@nsbm.ac.lk

Ms. Uduli Athukorala

Business Developer in Retail Media Network, Jay Kay Marketing, John Keells Holdings.
+94 76 666 2486
uduligandhara@gmail.com