

IHAN HANSAJA

Software Engineering Undergraduate | Full-Stack Developer

✉ ihanhansaja5@gmail.com ☎ +94760685132

📍 234/f, 3rd lane, Weliwala, Meeghawaththa, Angoda.



About

Passionate about Full-Stack web development, I build dynamic, scalable, and user-friendly websites using modern web technologies. I excel at solving technical challenges through innovation and collaboration, ensuring seamless and impactful digital experiences.

Education

(G.C.E.) Ordinary Level and Advanced Level D.S. Senanayake College, Colombo 07	Jan 2013 – Feb 2022
B. Sc. (Hons) in Software Engineering CINEC campus, Malabe	Oct 2022 – Present

Web Development Projects

Serendib Warehouse Management System Dec 2024 – ongoing
Developed an AI-driven system to optimize warehouse Operations using React.js, Express.js, Node.js and MySQL.

Zenofy Web Application Nov 2024 – ongoing
Developed an e-commerce site for projector accessories with a chatbot using HTML, CSS, JavaScript and Chatbase platform.

Sri Padaya Website Feb 2025 – Mar 2025
Developed a website for Adam's peak using React.js and Three.js.

HeritageLink Website Jul 2024 – Sep 2024
Developed an e-commerce site to buy and sell Sri Lankan handcrafts with Real-time updating dashboard using HTML, CSS, JavaScript and MySQL.

Modern Portfolio Website Mar 2025 – ongoing
Developed a modern portfolio for myself using React.js and Three.js

Admin Dashboard with the Chatbot Web Application Mar 2025 – Mar 2025
Developed an admin dashboard using React.js and a chatbot in Python that provides responses using real-time data from the Firebase database. the chatbot was built using the Gemini API.

Skills

- Programming
- Mathematics
- Artificial Intelligence
- Data Structures
- 3D design
- UI/UX Design
- Problem Solving
- Communication
- Teamwork
- Leadership
- Creativity

Programming Languages

- Python
- JavaScript
- Java
- R
- C/C++
- PHP
- Android
- Dart

Web Technologies

- HTML
- CSS
- Tailwind CSS
- React.js
- Three.js
- Express.js / Node.js
- WordPress
- Firebase
- SQL

UI/UX Projects

- Green Urban City Web 3.0 Application

May 2024 – May 2024

Designed a user interface for a Web 3.0 application using Figma, focusing on sustainable urban development. This project was showcased at the IX-24 UI/UX Designathon.
- CINEC campus website

Dec 2023 – Mar 2024

Designed a user interface for the CINEC campus website. The Faculty of Computing selected a team of students to redesign and update the website.
- AI Project Management Tool

Nov 2023 – Dec 2023

Designed a user interface for an AI project management tool which we developed.

Researches

- optimizing OFDM technology network performance using Reinforcement Learning for 5G and beyond (Best research of Faculty of Computing)
- leveraging AI for mental health: Utilizing Llama 3.1 to detect and prevent mental health crises among social media users
- Using a combination of AI and VR to solve problems in the architectural design modeling

Extracurricular Activities

- E-Sports player at CINEC E-Sports team

Participated in national and inter-university e-sport tournaments, sharpening strategic thinking and teamwork skills.
- Competitor in IX-23 and IX-24 UI/UX Designathons

Competed in inter-university UI/UX hackathons organized by IIT Campus, enhancing creativity and problem-solving skills.
- Developer of VR Worlds for CINEC EDU EXPO 2023

Developed immersive 3D worlds using Unity and Blender for CINEC EDU EXPO 2023, contributing to the exhibition's most successful project.

References

- Mr. Dhishan Dhammearatchi

Senior Lecturer, Faculty of Computing, CINEC campus.

0773578609, Dhishan.Dhammearatchi@cinec.edu
- Mrs. Dinushika Jayathissa

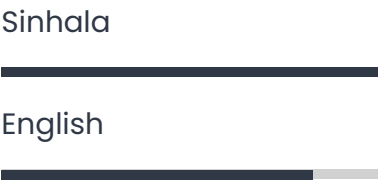
Lecturer in English, Faculty of Humanities and Education, CINEC campus.

0712718585, Dinushika.jayathissa@cinec.edu

Tools and Technologies

- GitHub
- Docker
- Blender
- Unity
- Figma
- Photoshop
- Illustrator
- Premiere Pro

Languages



Interests

- Reinforcement Learning
- Deep Learning
- Virtual Reality
- Extended Reality
- Blockchains
- Cryptocurrency
- Coding
- Cyber Security
- Gaming