



Senuda Perera

BSc (Hons) Computer Science Undergraduate

Motivated and dedicated Computer Science undergraduate with a strong passion for innovation and problem-solving. Currently pursuing a BSc (Hons) degree in Computer Science at the Informatics Institute of Technology, affiliated with the University of Westminster UK. With a solid educational foundation and a drive for continuous growth, I am eager to apply my skills and contribute to the field of computer science and Full-Stack Development.

GitHub: <https://github.com/Senuda004>

Dribbble: <https://dribbble.com/Senuda>

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Interests

- UI / UX Engineering
- Front-End Web Development
- Full Stack Development
- Machine Learning
- Graphic Design
- Video Editing and Aerial Videography

Expertise

- User Interface (UI) Design and Dev
- User Experience (UX) Design and Dev
- Full Stack Web Development

Soft Skills

- Communication
- Problem-Solving
- Teamwork
- Critical Thinking
- Leadership

Experience

2024 July - 2025 July (Aplova Inc. - hSenid Mobile Solutions)

Trainee UI/UX Engineer

- Designed and prototyped responsive UI components using Figma, ensuring consistency, accessibility, and adherence to modern design principles.
- Implemented user interface designs using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and mobile responsiveness.
- Gained hands-on experience by working closely with product and engineering teams to craft intuitive user interfaces for web and mobile POS solutions.

Education

2022 - 2026 (Informatics Institute of Technology (Affiliated with University of Westminster UK))

- Pursued my **BSc (Hons) degree in Computer Science** at Informatics Institute of Technology, a prestigious institution affiliated with the University of Westminster UK.
- Actively involved in various clubs and organizations on campus, including the Rotaract Club, Toastmasters Club, and IEEE Club.

2021 - 2022 (Informatics Institute of Technology)

- I successfully pursued my Foundation Certificate of Higher Education at Informatics Institute of Technology (IIT), a renowned institution known for its exceptional academic programs and industry-focused curriculum, earning a **Distinction** certificate in recognition of my outstanding performance.

Badge Top Achievement

- Distinguished myself academically and achieved the badge top, recognizing my outstanding performance and excellence in my studies.

2009 - 2021 (Maris Stella College)

- Completed my secondary education at Maris Stella College, a prestigious educational institution known for its academic excellence and holistic development.
- Successfully completed the GCE O-level examinations with outstanding results, achieving **8A's and 1B**.
- Served as a senior prefect, demonstrating exceptional leadership skills, responsibility, and dedication to maintaining discipline and fostering a positive school environment.
- Actively participated in athletics, basketball, and cricket throughout my school years, promoting physical fitness, teamwork, and sportsmanship.

Technical Skills

- Programming Languages - Proficient in HTML5, CSS3, JavaScript (ES6+), Java, Python, TypeScript
- Database Technologies - MySQL, MongoDB, Supabase
- Prototyping - Figma and Adobe XD
- Graphic Designing - Photoshop
- Frameworks - Next.js, React, Tailwind

Hobbies

- Playing Guitar
- Composing Music
- Drone Flying
- Nature Content Creation
- Photography
- Video Editing
- Coding

Languages

English

Sinhala

Tamil

Projects

2025 - 2026 (Final Year Project) - Plant Whisperer

- Designed and developed Plant Whisperer, an AI houseplant stress-detection solution by training a ResNet50 transfer-learning multi-class classifier to predict healthy / high light / low light / underwater from leaf images.
- Developed and deployed a Flask inference API that is accepting Base64 images, preprocessing inputs, returning prediction + confidence + class scores, and generating Grad-CAM heatmap overlays for explainability.
- Implemented and maintained user-facing apps (React Native mobile client + Streamlit web demo) that are uploading plant images to the API and displaying predicted labels, confidence, and Grad-CAM visualizations.

2023 - 2024 (Software Development Group Project) - Nutri Mate

- Collaborated within a multidisciplinary team to design and implement a Food ingredient scanning application.
- Took an active role in the development life cycle, including requirements analysis, design, coding, testing, and deployment phases. (MERN Stack)
- Demonstrated effective communication skills by regularly updating team members on progress, participating in group discussions. - [Link : https://sdgp-cs-14-front-end.vercel.app/](https://sdgp-cs-14-front-end.vercel.app/)

Certifications

Diploma in Information Technology (DiTEC) - 2020

- Completed a comprehensive Diploma in Information Technology at Esoft Metro Campus, Colombo 4, gaining proficiency in various IT domains.

Spoken English Course (CMB Upper Sec Int 3) - 2019

- Successfully completed the Spoken English Course at the British Council, Colombo 3, attaining advanced communication skills.

Web Development (Front-end Development) - 2019

- Obtained a certificate for the completion of the Front-end Development course at the University of Moratuwa, showcasing expertise in web development technologies.

Achievements

"Batch Top" at Foundation, Informatics Institute of Technology

- Achieved the highest academic standing in the foundation year at IIT, demonstrating excellence in coursework and overall performance.

"Champion" at School's Inter House Sports Meet (2 times)

- Secured the championship title twice at the inter house sports meet, showcasing not only athletic prowess but also leadership and teamwork skills.

"Best Guitarist" at Inter School Talent Competitions

- Earned the title of "Best Guitarist" in inter-school talent competitions, highlighting musical talent and creativity.

References

Banu Athuraliya

Visiting Lecturer - Informatics Institute of Technology (IIT)

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Nishan Rathnayake

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