

Vishmith Suranjaya

📍 Colombo, Sri Lanka ✉ suranjaya0327@gmail.com ☎ +94 76 966 2495
🌐 vishmithsuranjaya.vercel.app in linkedin.com/in/vishmithsuranjaya
🐙 github.com/vishmithSuranjaya



Summary

Motivated Computer Science undergraduate with a strong passion for software development and creating meaningful digital experiences that blend creativity with functionality. Skilled in React.js and Python, with a keen interest in continuous learning and problem-solving. Known for a thoughtful, detail-oriented approach and driven by the belief that growth begins beyond comfort zones.

Education

Uva Wellassa University, BSc(hons) in Computer Science and Technology

2022 – Present

- GPA: 3.77/4.0

Karadeniya Central College, Advanced Level (A/L)

Karadeniya Central College, Ordinary Level (O/L)

Skills

React.js, Tailwind CSS, JavaScript, C

Python, Django, Java, Maven, PHP, Jupyter Notebook, TensorFlow

MySQL, PostgreSQL, Firebase

Flutter, Kotlin

Git, Github

Research Project

Energy-Efficient Deep Learning on ARM Architectures using Spiking Neural Networks (SNNs)

2025 – Present

Deep Learning, Nvidia Jetson Nano, Python

Uva Wellassa University

- Investigating the feasibility of deploying optimized Spiking Neural Networks (SNNs) on ARM-based embedded systems for energy-efficient AI inference.
- Developing a baseline ANN and SNN using the N-MNIST dataset and applying model-level optimizations such as quantization and pruning to improve latency, memory, and power efficiency.
- Conducting performance benchmarking to evaluate accuracy, energy consumption, and computational cost against conventional deep learning models.
- Exploring hardware–software optimization strategies to leverage ARM features for efficient SNN deployment.
- Assessing scalability and potential integration of SNN-based models for real-time edge AI applications in IoT, robotics, and autonomous systems.

Projects

Seagrass Srilanka

05/2025 – 07/2025

React, Django, Flask, PostgreSQL, Python, PyTorch, Azure OpenAI, Unity

[View Project](#)

- Built a React frontend integrated with a Django + PostgreSQL backend for dynamic content management.
- Developed a Flask microservice hosting a PyTorch-based model for automatic seagrass species recognition.
- Designed an AI-powered digital platform supporting seagrass conservation in Sri Lanka, integrating species identification, educational blogs, and an immersive 3D virtual underwater experience.
- Leveraged the Azure OpenAI API to optimize blog content and enable AI-driven writing assistance for enhanced educational outreach.

Cloudify

02/2025 – 03/2025

Flutter, OpenWeatherAPI, Lottie

[View Project](#)

- Real-Time Weather Data: Fetch and display accurate weather information including temperature, conditions, and city name, with automatic real-time updates.
- Clothing Recommendations: Provide personalized clothing suggestions based on current weather conditions, offering a unique feature that differentiates the app from standard weather platforms.

estateEase

04/2024 – 07/2024

PHP, MySQL, JavaScript, HTML, CSS

[View Project](#)

- An innovative real estate platform that streamlines property transactions with features like bidding, Google Maps integration, advanced search and filter options, secure payments, and an installment calculator.

QuickNotes

2025 – Present

Flutter

[View Project](#)

- Developing an innovative note-taking application featuring offline voice-to-text input, smart tagging. Focused on on-device processing for privacy, speed, and seamless user experience without internet dependency.

Soft Skills

Communication

Adaptability

Problem Solving

Teamwork

Certifications

PMP Basics *Simplilearn*

Machine Learning Using Python *Simplilearn*

AI/ML Engineer - Stage 1 *SLIIT*

Achievements

Dean's List

*Faculty of Applied Sciences,
Uva Wellassa University*

References

Dr. K. P. P. S. PATHIRANA Senior Lecturer, Department of Computer Science and Informatics, Faculty of Applied Sciences, Uva Wellassa University, Badulla, Sri Lanka. suneth@uwu.ac.lk
+94 77 777 7682

Mr. Thilina Gunarathne Lecturer, Department of Computer Engineering, Faculty of Engineering, University of Peradeniya, Sri Lanka. thilinag@eng.pdn.ac.lk
+94 70 251 8627