



# PUBUDU WIJESUNDARA

Intern Software Engineer

Portfolio

Blog

LinkedIn: pubudu-wijesundara

GitHub: itswijay

## CONTACT

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📍 Nittambuwa, Sri Lanka

## TECHNICAL SKILLS

### Languages & Markup:

HTML, CSS, JavaScript, Python, SQL

### Frameworks & Libraries:

React.js, React Native, Tailwind CSS,  
Django, Django Rest Framework, Nextjs

### Tools & Platforms:

Git, GitHub, Docker, Ansible, Vercel,  
Supabase

### Database & Storage:

PostgreSQL, MySQL, SQLite, Local  
Storage, Weaviate (Vector DB)

### Designing:

Photoshop, Illustrator

## SKILLS

Teamwork

Time Management

Leadership

Effective Communication

Critical Thinking

Digital Marketing

## LANGUAGES

English (Intermediate)

Sinhala (Fluent)



## PROFILE

Enthusiastic Computing Undergraduate specializing in Full-Stack Development, with skills in Python, Django, JavaScript, and PostgreSQL. Experienced in building scalable web applications and integrating modern UI/UX principles for seamless user experiences. Proficient in Git, Docker, and Linux, with hands-on experience through university projects, personal projects, hackathons, and volunteer work. Adept at combining creativity from graphic design with technical expertise to deliver practical, high-quality solutions. Passionate about developing robust, user-focused software while exploring DevOps practices and AI-powered applications.



## PROJECTS

### GPA Calculator Web App | GitHub | <https://gpacalsusl.vercel.app/>

Personal Project | React, Vite, Tailwind CSS, Local Storage, Vercel

- Built a responsive GPA calculator where users enter grades to compute GPA based on course name, code, and credits.
- Used Local Storage for data persistence and deployed on Vercel for fast, accessible performance.
- Designed with Tailwind CSS for a clean, user-friendly interface.

### AI-Based Sexual and Wellness Healthcare Assistant | GitHub

Capstone Project | 2025

- Built an AI-powered chatbot to assist with sexual and OB/GYN health queries using OpenAI API and Weaviate vector database.
- Integrated file upload, natural language understanding, and real-time chat UI.
- Tools: Python, ReactNative, OpenAI, Django, Docker
- **My Contribution:** Led backend and AI module integration, configured Docker environment, and managed database-API connectivity for intelligent query responses.

### MediTrack SUSL - University Medical Center System | GitHub

Group Project | 2025

- Developed a Laravel medical management system in a Dockerized environment with MySQL and phpMyAdmin.
- Configured containers (PHP + Apache, database, GUI) and automated setup with migrations and seeding.
- Documented local (Docker) and production (manual) deployment workflows to support reliable rollouts.

### Needalyze - Digital Insurance Need Analysis | GitHub

Group Project | Ongoing (2025)

- Developing a web-based system to digitalize the SLIC Need Analysis Form for advisors and customers.
- Features include advisor dashboards, automated calculations, multi-language support, and secure online form submissions.
- Aims to reduce manual errors, improve accessibility, and enhance professionalism in the insurance advisory process.



## EDUCATION

### BSc. Honours in Computing & Information Systems

Sabaragamuwa university of Sri Lanka

2023 - present  
expected graduation 2027

### Diploma in Graphic Design

design.lk, Kiribathgoda, Sri Lanka

2021 - 2022



## EXPERIENCES

### Associate Image Processor | OREL IT

Aug 2022 - Dec 2022 · Kadawatha, Western Province, Sri Lanka

- Ensured accuracy and consistency in image tagging and labeling to support computer vision projects.
- Collaborated with the quality control team to maintain data integrity and meet production deadlines.



## ACHIEVEMENTS

- Merit Award - NetCom 2025: Finalist in the flagship competition under SLIIT Codefest.
- Top 10 Finalist - IEEE Innovation Nation Sri Lanka (INSL) 2024: Represented Sabaragamuwa Province.
- Semifinalist - HackVenture 1.0 (2024): National hackathon organized by AIESEC, University of Kelaniya.
- Semifinalist - HackX 8.0 (2023): Inter-university startup challenge by the Department of Industrial Management, University of Kelaniya.
- CTF Participant - Manthra (2023): Capture the Flag challenge hosted by IEEE Computer Society, NSBM Green University.



## EXTRA CURRICULAR ACTIVITIES

- STEMUp Education Foundation (2024/25): Conducted CodeClub sessions at Rathnapura Public Library, teaching foundational coding skills to local students with hands-on practicals.
- Program Team Lead - SabraExtreme 3.0 (2025): organized by the IEEE Student Branch of SUSL
- Volunteer - Society of Computer Sciences, SUSL (2024/25)
- Volunteer - IEEE Student Branch, SUSL (2024/25)
- Volunteer - IEEE Women in Engineering (WIE), SUSL (2024/25)
- Organizing Committee - IEEE Day 2024: Served as a Design Team Member
- Program Team Member - CodeQuest 1.0 (2024): organized under the IEEE Student Branch, SUSL



## CERTIFICATES & CERTIFICATIONS

- Aviatrix Certified Engineer Multicloud Network Associate
- Amazon Q Developer Knowledge Badge Readiness Path
- Getting Started with DevOps on AWS
- AWS Command Line Interface (CLI) Basics
- Advanced Testing Practices Using AWS DevOps Tools



## REFERENCES

### Mrs. R.M.K.K. Wijerathna

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