



# PUBUDU WIJESUNDARA

Software Engineer Intern

Portfolio [Blog](#) [LinkedIn](#): pubudu-wijesundara [GitHub](#): itswijay

## CONTACT

- 📞 +94-71-032-0357
- ✉️ pubuduwijs@gmail.com
- 📍 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, AWS

### Database & Storage:

PostgreSQL, MySQL, SQLite, MongoDB, Weaviate (Vector DB)

### Designing:

Photoshop, Illustrator

## SKILLS

Teamwork

Time Management

Leadership

Effective Communication

Critical Thinking

Digital Marketing

## LANGUAGES

English (Intermediate)

Sinhala (Fluent)

## PROFILE

Motivated Computing Undergraduate specializing in Full-Stack Development, with strong skills in Python, Django, JavaScript, and PostgreSQL. Experienced in building scalable, user-focused web applications and applying modern UI/UX principles. Proficient in Git, Docker, and Linux, with hands-on exposure through academic work, personal projects, hackathons, and volunteer initiatives. Passionate about solving real-world problems, continuously learning, and growing as a developer while exploring DevOps practices and AI-driven solutions.

## PROJECTS

### GPA Calculator Web App | 📈🔗

Personal Project | 2025

- Developed a responsive GPA calculator that computes GPA based on course details, with data persistence handled through Local Storage.
- Tools:** React, Vite, Tailwind CSS, Local Storage, Vercel
- Designed a clean, user-friendly interface using Tailwind CSS and deployed the application on Vercel for fast, reliable performance.

### AI-Based Sexual and Wellness Healthcare Assistant | 🤖💡

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:** ReactNative, Python, Django, PostgreSQL, OpenAI API, Docker, Weaviate(Vector database)
- 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 | 🩺💡

Group Project | 2025

- Developed a Laravel-based medical management system with a dynamic dashboard, real-time MySQL data, and custom Bootstrap UI styled using SASS and Webpack. Added global PDF receipt generation and improved dashboard analytics for prescriptions, drugs, and users.
- Tools:** Laravel, PHP, MySQL, Bootstrap, SASS, Webpack, Docker
- My Contribution: Led dashboard and backend integration, enhanced UI/UX, implemented global PDF features, fixed data logic, and supported code reviews and PR merges.

### Needalyze - Digital Insurance Need Analysis | 📈🔗

Group Project | Ongoing (2025)

- Developing a web-based system to digitalize the SLIC Need Analysis Form for advisors and customers.
- Tools:** Nextjs, Tailwind, ShacnUI, Supabase, zod, React Hook Form
- 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

Probationary Lecturer,  
Faculty of Computing,  
Sabaragamuwa University of Sri Lanka.  
kwijerathna@foc.sab.ac.lk  
+94787233899

### Mr. T.D.M. Perera

Associate Software Engineer  
hSenid Mobile Solutions (Pvt) Ltd  
t.dilshanperera@gmail.com  
+94766661780