



PUBUDU WIJESUNDARA

Software Engineer Intern

Portfolio

Blog

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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, 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

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