

PUBUDU WIJESUNDARA

DevOps Engineer Intern

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[Portfolio](#) | [Blog](#) | [LinkedIn](#) | [GitHub](#)

PROFILE

Motivated Computing Undergraduate specializing in DevOps, Linux systems, and automation. Skilled in CI/CD, scripting (Python, Bash), and containerization with Docker. Experienced in managing databases (PostgreSQL, MySQL, SQLite) and monitoring workflows. Hands-on experience with Ansible for configuring and managing servers such as web, DHCP, FTP, proxy, DNS, RADIUS, and Cacti. Strong foundation in Git and Linux for deploying scalable, automated solutions. Passionate about solving real-world problems, learning continuously, and building efficient cloud-native workflows.

EDUCATION

BSc. Honours in Computing & Information Systems

Sabaragamuwa University of Sri Lanka

Expected 2027

2023 - Present

Diploma in Graphic Design

design.lk, Kiribathgoda, Sri Lanka

2021 - 2022

EXPERIENCE

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.

SKILLS

Operating Systems & Tools

Linux (Ubuntu, Mint, Fedora, CentOS, Arch), Git, GitHub, Docker, Ansible, Bash, Python, JavaScript, SQL

Scripting & Programming

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

Frameworks & Libraries

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

Database & Storage

Supabase, Vercel, AWS, Docker Compose, GitHub Actions, Kubernetes

Cloud & Devops Tools

Photoshop, Illustrator, Digital Marketing

Designing & Other

Teamwork, Time Management, Leadership, Effective Communication, Critical Thinking

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. Deployed on Vercel (cloud hosting), ensuring fast, reliable uptime.
- Tech Stack:** React, Vite, Tailwind CSS, Local Storage, Vercel

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 Docker for containerized deployment and backend scaling.
- Tech Stack:** React Native, Python, Django, Django Rest Framework, 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.
- **Tech Stack:** Laravel, MySQL, Bootstrap, SASS, Webpack
- **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. Features include advisor dashboards, automated calculations, multi-language support, and secure online form submissions to reduce manual errors and improve accessibility.
- **Tech Stack:** Next.js, Tailwind CSS, ShadcnUI, Supabase, Zod, React Hook Form
- **My Contribution:** Frontend development, integrated authentication (Register/Login pages), implemented form data persistence using Context API + Local Storage, and connected profile management to the backend.

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 organized by the Department of Industrial Management, University of Kelaniya. 

CTF Participant – Manthra (2023): CTF Competition hosted by IEEE Computer Society, NSBM Green University. 

EXTRACURRICULAR 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. 
- **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.
- **Volunteer Positions:** Society of Computer Sciences SUSL, IEEE Student Branch SUSL, IEEE Women in Engineering (WIE) SUSL (2024/25).

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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