



YASINDU NAVODH

ASPIRING SOFTWARE ENGINEER

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Github: github.com/Yasindu | LinkedIn: linkedin.com/in/yasindu-navodh

Location: Matara, Sri Lanka | Portfolio: yasindun.me

SUMMARY

Motivated final-year Computer Science undergraduate with hands-on experience in full-stack web development. Skilled in building scalable applications, developing RESTful APIs, and working with SQL/NoSQL databases. Strong understanding of software architecture, debugging, and deployment workflows. A fast learner with solid problem-solving skills, committed to delivering clean, maintainable code and contributing effectively to real-world development teams.

EDUCATION

Bachelor of Science Honors in Computer Science & Technology

Aug 2022 - Present

Uva Wellassa University of Sri Lanka

- Cumulative GPA - 3.86/4.00

RESEARCH PROJECT

Developing A Deep Learning Approach for Solar Generation Forecasting

and Identification of Operational Risk Periods for Grid Stability in Sri Lanka

Nov 2025 - Present

- **Developing a deep learning-based forecasting approach** to predict hourly solar power generation and electricity demand.
- **Identifying operational risk periods** to support proactive grid management.
- **Evaluating model performance** using standard error metrics (MAE, RMSE, MAPE) and visualizing forecast results to extract key operational insights.

PROJECTS

Handmade Jewelry Platform (Wave Mirissa)

Apr 2025 - Oct 2025

- Tech Stack: **React, Spring Boot, PostgreSQL**
- A full-stack **e-commerce platform** developed for a real client with personalized jewelry suggestions.
 - **Built an NLP driven system that recommends necklaces** based on user questionnaire data.
 - **Created a Python pipeline that detects face and neck landmarks** for precise product placement.
 - **Developed a Virtual Try-On feature** that overlays necklace designs onto user images.
 - Integrated recommendation and detection modules into a secure Spring Boot backend and optimized PostgreSQL queries.

AI-Integrated Blog Application

Nov 2025 - Present

- Tech Stack: **ReactJS, NodeJS, ExpressJS, MongoDB, ImageKit**
- Smart blogging platform with AI-assisted content creation and admin management.
 - Designed and developed user interfaces for browsing, filtering, and commenting.
 - Built a secure admin dashboard for managing posts and comments.
 - **Integrated AI-based auto-generation of blog posts** using custom prompts.
 - Implemented optimized REST APIs and MongoDB schemas for better performance.

- Tech Stack: **HTML, CSS, JavaScript, Bootstrap, PHP (OOP), MySQL**
- A donation management system connecting donors with verified beneficiaries.
 - **Built a full authentication system** with secure donor and beneficiary accounts.
 - **Implemented beneficiary verification workflow** for trust and transparency.
 - **Integrated payment flow** for medical donation processing.
- Designed responsive UI using Bootstrap for a seamless user experience.

CERTIFICATES

- Spring Boot 3 Essential Training - LinkedIn Learning (2025)
- Advanced React - Meta (2025)
- Docker Foundations Professional Certificate - Docker (2025)
- Google AI Essentials - Google (2025)

ACHIEVEMENTS

Dean's List for Outstanding Academic Performance

2022 - 2023

- Recognized for exceptional academic excellence for three consecutive semesters at Uva Wellassa University of Sri Lanka.

TECHNICAL SKILLS

- **Programming Languages :** Java, Python, JavaScript, PHP, HTML, CSS
- **Frameworks & Libraries:** React, Node.js, Express.js, Spring Boot, Tailwind CSS, Bootstrap
- **Tools & Technologies:** Docker, AWS, Git, Postman, Maven, VS Code, IntelliJ IDEA
- **Databases:** MySQL, MongoDB, PostgreSQL

SOFT SKILLS

Problem Solving | Communication | Teamwork | Adaptability

VOLUNTEERING

"Pillam" Project | Rotaract Club of Uva Wellassa University

Nov 2023

- Conducted educational sessions and distributed essential school supplies to students in rural areas.

REFERENCES

Dr. H. M. S. N. Ariyadasa

Senior Lecturer (Gr. II)

Department of Computer Science and Informatics

Uva Wellassa University of Sri Lanka

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Mr. Malinga Jayalath

Software Engineer

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I hereby declare that all the information provided above is true to the best of my knowledge and belief. I understand that any false information may lead to disqualification from consideration or termination of employment if discovered later


Yasindu Navodh