



# 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

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

## ACHIEVEMENTS

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### 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

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- **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

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Problem Solving | Communication | Teamwork | Adaptability

## VOLUNTEERING

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### "Pillam" Project | Rotaract Club of Uva Wellassa University

Nov 2023

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

## REFERENCES

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### 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*  
Yasindu Navodh