



# KALINDU HIMASARA



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## SUMMARY

Motivated Computer Science undergraduate with hands-on experience in developing full-stack web applications and intelligent systems. Skilled in technologies such as React, Node.js, Spring Boot, Mongo and MySQL with strong knowledge of API integration, cloud deployment, and database management. Passionate about creating efficient, user-friendly, and scalable solutions, combining technical expertise with problem-solving and teamwork. Eager to contribute to an innovative organization through a software engineering internship while continuing to learn and grow as a developer.

## EDUCATION

Bachelor of Science Honors in Computer Science & Technology

2022 - Present

**Uva Wellassa University of Sri Lanka**

Diploma in Information and Communication Technology

June 2021 - June 2022

**Nenasala Information & Communication Education Technology Center - Miriswaththa**

G.C.E. Advanced Level Examination

2020

**Physical Science Stream Obtained 1B's and 2C's**

G.C.E. Ordinary Level Examination

2017

**Obtained 8A's and 1B's**

## RESEARCH PROJECT

**Multivariate Anomaly Detection Using Machine Learning and Image Processing for Early Wildfire Detection in Wildfire-Prone Regions**

Ongoing Research Project

2025

- Ongoing research focused on early wildfire detection using LSTM networks for anomaly detection in multivariate environmental data
- Utilizing Vision Transformers (ViT) for classifying wildfire stages
- Achieving improved accuracy and early identification of wildfire-prone areas

## PROJECTS

**WoodWise | Real-Time Furniture Sales and Manufacturing Coordination Platform**

React, Node.js, Express.js, MongoDB, Three.js, Tailwind CSS

2025

Built a web-based system to connect timber mills, stores, and customers with real-time inventory and order synchronization. Developed the admin dashboard, AI-based image generation, and 3D furniture preview features to enhance efficiency and customer experience.

## Lumineé | Cosmetics E-Commerce Website

MERN Stack (MongoDB, Express.js, React, Node.js), Tailwind CSS

2025

Developed a modern e-commerce website for cosmetic product sales with user authentication, secure checkout, and an advanced admin dashboard for managing products, users, and orders. Designed an elegant, responsive UI for a smooth and visually appealing shopping experience.

## Open Ledger | Fund Management System

React, Node.js, MySQL, Bootstrap

2024

Developed a secure web-based platform to enhance financial transparency and fund management for organizations. Implemented real-time treasury management, budget estimation, cash flow tracking, and a chat-based communication system. Integrated fraud detection, payment gateway, and PDF reporting features to ensure accountability and efficiency in financial operations.

## ReelPick | TF-IDF Content-Based Movie Recommender

Python (Pandas, Scikit-learn), HTML, CSS

2025

Engineered a content-based recommendation system utilizing the TF-IDF (Term Frequency-Inverse Document Frequency) algorithm and Cosine Similarity to analyze movie data (TMDB dataset, 4800+ titles).

## TECHNICAL SKILLS

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- **Programming Languages:** Java, JavaScript, Python, PHP, C
- **Frameworks & Libraries:** Spring Boot, React.js, Node.js, Bootstrap , Tailwind CSS
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Tools & Platforms:** GitHub, Postman, AWS, Docker, VS Code, IntelliJ IDEA, XAMPP
- **Design Tools:** Figma

## SOFT SKILLS

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- Teamwork and Collaboration
- Problem-Solving
- Time Management
- Analytical Thinking
- Creativity
- Effective Communication

## CERTIFICATIONS

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### Diploma in Information and Communication Technology

Nenasala Information & Communication Education Technology Center – Miriswaththa

### Google Data Analytics | Foundations: Data, Data, Everywhere

Coursera – Google Data Analytics Program

## REFERENCES

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### Mr. M.N.T. Nandasena

Lecturer (Probationary)

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Informatics

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### Mr. Chameera Kavinda

Dynamics 365 BC Developer

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