KALINDU HIMASARA

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SUMMARY

Passionate Computer Technology undergraduate at Uva Wellassa University of Sri Lanka with hands-on experience in full-stack development using Spring Boot, React, and the MERN stack. Skilled in building scalable and efficient web applications, with practical knowledge of Docker, API integration, and database management using PostgreSQL and MongoDB. Strong problem-solving abilities with a logical and structured approach to software development. Dedicated to continuous learning and delivering reliable, high-quality solutions that create real value for users.

EDUCATION

- Bachelor of Science Honors in Computer Science & Technology   **2022 - Present**

Uva Wellassa University of Sri Lanka

- Diploma in Information and Communication Technology   **2021 - 2022**

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- 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

Onging 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

- **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

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

CERTIFICATIONS

- **Diploma in Information and Communication Technology**

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- **Google Data Analytics | Foundations: Data, Data, Everywhere**

Coursera – Google Data Analytics Program

REFERENCES

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