

# HIMANTHA HIRUSHAN

Software Engineer

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

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Western Province, Malabe

## SUMMARY

Results-driven Software Engineer with a BSc (Hons) in IT from SLIIT and 6 months of internship experience at Lithium Technology, specializing in full-stack development (MERN, PHP, Python). Proven expertise in building ERP systems, web applications, and AI/ML solutions with a strong focus on scalability and user-centric design. Adept at problem-solving, agile methodologies, and cross-functional collaboration.

## WORK EXPERIENCE

Software Engineering Intern | Lithium Technologies Pvt. Ltd., Colombo

Jul 2024 – Jan 2025

- Developed and maintained ERP modules (inventory, HRM) using PHP, MySQL, and Apache for enterprise clients.
- Contributed to Moodle-based LMS systems, implementing features to enhance user experience and functionality.
- Assisted in building web applications for POS and CRM systems, following Agile development practices.
- Collaborated with senior developers to troubleshoot and optimize existing systems for better performance.

## EDUCATION

BSc (Hons) Information Technology Specialising in Information Technology

Feb 2021 – Feb 2025

Sri Lanka institute of information technology (SLIIT)

## PROJECTS

### 1. MEPHUB – CONSTRUCTION WORKFORCE CONNECT PLATFORM | (MERN Stack) - [Live](#) | [Github](#)

- Developed a full-stack, production-grade web application for Mephub.lk, connecting construction field workers with clients seeking services.
  - Built an advanced admin panel enabling Mephub staff to manage platform content, user roles, and job postings with ease.
  - Implemented secure user authentication, role-based dashboards, real-time job listings, and messaging.
  - Optimized for mobile and desktop with a fully responsive UI and seamless user experience.
- Tech: React.js, Node.js, Express.js, MongoDB, Vercel, Render

### 2. Orga Green – Organic E-commerce Platform | (Django, Razorpay, HTML/CSS) - [Live](#) | [Github](#)

- Developed a full-stack, production-ready e-commerce application promoting organic products like fruits, seeds, and fertilizers.
  - Engineered user and admin-facing features including secure authentication, shopping cart, and dynamic product catalog.
  - Integrated Razorpay for seamless and secure online payments with order tracking and invoice generation.
  - Built a robust Django admin panel for managing users, products, orders, and generating real-time reports.
- Tech: Django, JavaScript, HTML, CSS

### 3. Plant Disease Detection System – AI-Powered Flask Web App | (TensorFlow, Flask) - [Github](#)

- Built an image classification web application using deep learning to detect plant diseases from leaf images.
- Trained a CNN model with 96%+ accuracy using TensorFlow to classify plant diseases from image data.
- Integrated the model with a Flask-based web interface allowing users to upload leaf images and get real-time predictions.
- Deployed a responsive, browser-based frontend using HTML templates and PIL for image preprocessing.
- Enabled dynamic label mapping and PDF result generation with robust validation and error handling.

Tech: TensorFlow, Flask, NumPy, Pillow, HTML, CSS

### 4. HERBAL HUB: GAMIFIED PLANT-TRACKING PLATFORM | (PYTHON, DJANGO) - [Github](#)

- Built a web platform for plant tracking and identification, integrated with social features and geolocation.
- Developed a Django-based platform enabling users to share plant discoveries and track plant growth history.
- Implemented real-time geolocation using EXIF image metadata for accurate plant location tagging.
- Integrated a machine learning-powered plant identification feature for user-uploaded images.
- Designed RESTful APIs and connected MySQL backend for robust and scalable data management.

Tech: Python, Django, MySQL, REST APIs, ML, EXIF, HTML, CSS

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## TECHNICAL SKILLS

**Languages** : Python, JavaScript, PHP, Java, SQL

**Frameworks** : Django, Laravel, React.js, Node.js, Express.js, Flask

**Tools** : GitHub, AWS EC2, VS Code, Postman

**Databases** : MySQL, MongoDB

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## CERTIFICATIONS

AWS Academy Cloud Foundations - Amazon Web Services | [Visit Link](#)

Python Developer - Sololearn | [Visit Link](#)

ML for Beginners - Sololearn | [Visit Link](#)

HTML, CSS, & JavaScript Certification Course - Udemy | [Visit Link](#)

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## SOFT SKILLS

Problem Solving

Fast Learner

Team Collaboration

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## REFERENCES

### Tharindu Lakruwan

Senior System Support Engineer  
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### Rasika Nanayakkara

Senior project manager  
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