HIMANTHA HIRUSHAN
Software Engineer (Graduate)

Portfolio | LinkedIn | GitHub | HackerRank

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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, Render

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 Django-based gamified platform where users upload geotagged plant images, auto-plotted on a world map
- Created a reward system - users earn points for uploads to unlock garden items via a drag-and-drop builder.
- Implemented EXIF geolocation to precisely tag plant locations, crowdsourcing global herbal data.
- Added competitive leaderboards and badges to drive engagement and data collection.
- Developed REST APIs with MySQL backend for scalable user/garden data management.

  Tech: Python, Django, MySQL, REST APIs, EXIF, Javascript

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

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 Cource - **Udemy** | **Visit Link**

SOFT SKILLS

Problem Solving

Fast Learner

Team Collaboration

REFERENCES

Tharindu Lakruwan
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