THARUSHI NIMESHA

tharushinimasha41@gmail.com | 0778289132 / 0754993929 | 492/1, Weboda West, Weboda.

Linkedin

GitHub

PROFILE SUMMARY

Results-driven Laravel Full-Stack Developer with expertise in PHP, Laravel, MySQL, and JavaScript, experienced in developing end-to-end web solutions including API integration, authentication systems, and responsive interfaces. Passionate about writing clean, maintainable code and building impactful applications in collaborative environments.

EDUCATION

BSc. Honours in Information Technology Specialising in Information Technology | June 2021 - June 2025

- Institution: Sri Lanka Institute of Information Technology (SLIIT)
- Status: Graduated

GCE Advance Level (Physical) – 2019

Combined Mathematics - **B** Chemistry - **S** Physics - **S** English - **C**

GCE Ordinary Level – 2015

A – 8 | C - 1

WORK EXPERIENCE

Smallholder Agribusiness and Resilience Project **(SARP) Ministry Of Agriculture,** Sri Lanka Management Information System **(MIS)**

6 months as an Intern Full-Stack Web Developer and 8 months as a Junior Full-Stack Web Developer

Duration - 1 year (24 April 2024 to 24 October 2025)

Tools & Technologies: Laravel, MySQL, Blade, JavaScript, HTML/CSS, GitHub, Hostinger (cPanel), SSH, Git

Key Responsibilities:

- Designed and developed a modular **MIS web application using Laravel**, managing multiple interconnected modules (e.g., Beneficiary Management, Infrastructure, Training, EOI, Livestock, Tank Rehabilitation, etc.).
- Implemented CRUD functionalities, dynamic dashboards, CSV/PDF export/import, and file uploads across all modules.
- Created role-based access control and permission management with custom middleware for module specific user restrictions.
- Integrated search, filter, and pagination features for efficient data retrieval in large datasets.
- Used relational database modeling (one-to-many, many-to-many) to manage complex data relationships.
- Conducted unit testing and debugging to ensure the reliability, security, and performance of each module.

Hosting & Deployment:

- Hosted the application on Hostinger using a subdomain (e.g., mis.sarp.lk), with configuration of DNS settings, cPanel, and SSL certificate.
- Set up GitHub integration via SSH for seamless deployment and version control of the MIS system.
- Performed manual and automated deployments, including Laravel migrations, storage linking, and environment file configuration.
- Conducted regular backups, server monitoring, and performance optimization.

SKILLS

- Programming Languages: C, C++, Java, Python, PHP, JavaScript, HTML, CSS
- Frameworks/Libraries: React JS, Node JS, Express JS, Bootstrap, Tailwind CSS, Spring Boot Databases: MySQL, MongoDB, Oracle, Firebase
- Software Architectures: MVC
- APIs: REST API
- Tools & Platforms: Git, Git Bash, GitHub Desktop, Postman, Figma, UML, draw.io, VS Code, IntelliJ IDEA, Eclipse, Android Studio, MySQL Workbench, SQL Plus, XAMPP, Power BI, Jupyter Notebook.
- Virtualization & Environments: VirtualBox, VMware Workstation
- Concepts: OOP, Data Structures and Algorithms
- Cloud Platforms: AWS, Azure
- Machine Learning & Deep Learning

PROJECTS

Research Project – SMARTMUSA: AI-Powered Banana Disease Detection System

- Developed a mobile-based disease detection system (SMARTMUSA) for banana leaves using image classification and deep learning techniques.
- Trained and evaluated multiple CNN architectures (Custom CNN, MobileNetV2, ResNet50, VGG16) to detect Panama disease and Black Sigatoka in banana leaves.
- Achieved highest deployment efficiency and accuracy using MobileNetV2, selected for final implementation.
- Integrated Grad-CAM++ visualizations to highlight diseased areas, improving model interpretability for users.
- Built a cross-platform mobile frontend using React Native (Expo Go) and deployed backend APIs via FastAPI for real-time predictions.

Technologies: React Native with Expo Go (Frontend), Fast (Backend API), MobileNetV2, ResNet50, Custom CNN, Vision Transformer, Real-ESRGAN, TensorFlow, Python

SMARTMUSA – Research Project Website - Front-end: Next.js, Tailwind CSS - A professional project portfolio site showcasing the SMARTMUSA system an AI-based mobile and web platform for banana farming solutions. Also features: downloadable research documents, logbooks, progress reports, and team profiles.Built with mobile-first CSS using Tailwind to ensure seamless viewing across all devices.

Website: https://researchwebsit.netlify.app

Potato Leaf Disease Detection System -Python, Jupyter Notebook, TensorFlow/Keras:
Built a custom CNN model to identify potato leaf diseases from images. Focused on model training, evaluation, and augmentation using Jupyter Notebook.

REFERENCES

Mr. Mahiman Weerasuriya.
Monitoring & Evaluation Specialist,
Project Management Unit,
Smallholder Agribusiness and Resilience Project (SARP)
Email : mahimanw@gmail.com
Mobile: 0714226676

Ms. Lokesha Weerasinghe,
Senior Lecturer,
Department of Information Technology,
Faculty of Computing,
SLIIT | Malabe Campus.
Email: lokesha.w@sliit.lk
Mobile:0117 544 191

I do hereby certify that the above-mentioned particulars are true and accurate to the best of my knowledge.

Kumari T.A.T.N