

# DIYAN THIMEESHA WELIKANNA

Software Engineer

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## 👤 SUMMARY

Self-motivated and enthusiastic undergraduate student in Software Engineering, providing extensive education in the fundamentals of computer science and programming skills. Equipped with problem solving and coding experience, besides eagerness for learning and applying new technologies. Knowledge of collaborative projects, interested in software development, algorithms, and web technologies.

## 🏢 WORK EXPERIENCE

### Software Engineer Intern

Aug 2025 - Feb 2026

- Sri Lanka Ports Authority, Colombo 01

## 🎓 EDUCATION

### Higher National Diploma in Software Engineering (Full-Time)

2023 - Present

- National Institute of Business Management (NIBM)

### Certificate Course & Diploma in Software Engineering (Full-Time)

2021 - 2023

- National Institute of Business Management (NIBM)

### G.C.E. Advanced Level Examination (English Medium – Commerce Stream)

2021

- Negombo South International School, Piliyandala

## 🛠️ PROJECTS

### Destuff Scheduling System | PHP, Laravel, MySQL

- Developed a comprehensive container management and scheduling system.
- Implemented RESTful API with JWT authentication for secure access.
- Built Excel import/export functionality for bulk container data processing.
- Created role-based access control with multiple user permission levels.
- Designed scalable database architecture with migration system.
- Technologies: Laravel, PHP, MySQL, JWT, PHPOffice/PhpSpreadsheet
- Features: API authentication, container tracking, import/export, scheduling management

## **Interactive Lottery System | HTML, JavaScript, Python**

- Built an interactive lottery system with randomization features.
- Added Python OCR integration to read and validate uploaded lottery tickets.
- Implemented ticket upload functionality for automated entry processing.
- Designed for engaging user participation and fair outcomes.
- Technologies: HTML, JavaScript, Python (OCR)

## **Business Automation Website | Next.js, TypeScript, Tailwind CSS**

- Built a modern, responsive website for ACMA Total Solutions, the official Hitachi air conditioning channel partner in Sri Lanka.
- Implemented product catalog, customer reviews, events gallery, and contact form with email notifications.
- Deployed on Vercel with SendGrid integration for business communication.
- Technologies: Next.js 15 (React 18, TypeScript), Tailwind CSS, SendGrid, React Icons

## **Point of Sale System | TypeScript**

- Built a comprehensive POS system for retail management.
- Implemented inventory tracking, sales processing, and transaction management.
- Designed a user-friendly interface for efficient checkout operations.
- Technologies: TypeScript, Full-stack development

## **WealthWise (Personal Finance Management Web App) | Next.js, TypeScript, MySQL**

- Built a modern web app for tracking income, budgets, expenses, and investments with analytics and AI-assisted recommendations.
- Technologies: Next.js (App Router), TypeScript, Tailwind CSS, Prisma ORM + MySQL, NextAuth.js, Recharts/Chart.js, react-hot-toast.
- Features: user authentication, income & budget management, expense tracking (one-time & recurring), dashboards with charts, CSV export, notifications, portfolio tracking.

## **Vessel Fresh Water Tank Calculator | Electron, React**

- Built a desktop application for calculating fresh water tank volumes from sounding measurements on Maria leader Vessel.
- Implemented automatic volume calculations (metric tonnes) using calibration tables and visual progress bars for tank capacity.
- Added total fresh water volume calculation and modern, user-friendly interface.
- Packaged as an installable Windows application supporting 7 fresh water tanks with individual configurations.
- Technologies: Electron, React



## SKILLS & TECHNOLOGIES

### Backend

- Python
- Node.js
- SQLAlchemy
- RESTful APIs

### Database

- Supabase
- SQLite
- PostgreSQL
- Sanity CMS

### Frontend

- React
- Next.js
- TypeScript
- JavaScript ES6+
- Tailwind CSS

### Tools

- Git/GitHub
- Electron
- Vite
- Vercel



## REFERENCES

### K.D Hettiarachchi

Nashvil International Holdings

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**Email:** nashseeco@gmail.com

### Dr. B. K. A. Manisha Rodrigo

MBA.(Northampton UK)

B.Sc.(Hons) (Cardiff Metropolitan WALES)

Managing Partner (Bopitiya Auto Spring)

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