

HIMALI WIMANSA

Software Engineering Undergraduate

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SUMMARY

I'm a dedicated and detail-oriented Software Engineering undergraduate with a passion for technology, problem-solving and innovation. Highly motivated to contribute to innovative projects while continuously enhancing technical and professional skills. Experienced in working on projects that have strengthened coding, teamwork and problem-solving abilities. Eager to learn new technologies and apply them to real-world challenges. Confident in collaborating with teams to achieve goals and drive meaningful contributions.

EDUCATION

BSc in Information Technology	2024-2027
Rajarata University of Sri Lanka	
Higher Diploma In Software Engineering	2024-2025
National Institute Of Business Management (NIBM-Sri Lanka)	
Diploma In Software Engineering	2023-2024
National Institute Of Business Management (NIBM-Sri Lanka)	

TECHNICAL SKILLS

- Programming Language & Framework:** HTML, CSS, JavaScript, PHP, Python, C++, Kotlin, Spring Boot
- Database Technologies:** SQL, MySQL, Oracle, MongoDB, SQLite, Firebase
- IDEs & Code Editors:** Visual Studio Code, IntelliJ IDEA, Android Studio, Eclipse, Anaconda Navigator, NetBeans
- Data Analytics:** SPSS, R Studio, Microsoft Power BI, WEKA
- IoT Platforms:** Arduino IDE, Blynk
- Version Control:** GitHub

SOFT SKILLS

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| <ul style="list-style-type: none">TeamworkStress ManagementTime Management | <ul style="list-style-type: none">Problem SolvingAdaptabilityStrategic Planning |
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LANGUAGES

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| <ul style="list-style-type: none">English | <ul style="list-style-type: none">Sinhala |
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RELEVANT PROJECT EXPERIENCES

News Reporting Application

- Developed a News Reporter App with role-based access for reporters and editors, featuring article management, media uploads, notifications, and an approval workflow.
- Technologies:** XML (UI Design), Material Design Components, Kotlin, Android Studio, Firebase

IoT-Based Water Quality Monitoring System

- Designed and implemented a real-time water quality monitoring system using IoT technology.
- Integrated pH, turbidity, TDS, and temperature sensors with an ESP32 microcontroller to collect and transmit data.
- **Technologies: ESP32, Sensors, Firebase, Blynk App, Arduino IDE**

Autonomous Multitasking Agro – Robot

- Developed an intelligent robotic system capable of digging, seeding, and watering to assist in agricultural tasks. Aimed at reducing labor costs and improving efficiency in both large-scale and small-scale farming.
- **Technologies & Tools: Microcontrollers, Motors, Sensors, Arduino IDE**

Statistical Analysis of Social Media and Digital Usage in Sri Lanka

- Conducted a survey on social media usage trends, platform preferences, and privacy concerns across age groups. Analyzed user behavior, content interactions, and privacy awareness using statistical techniques to assess its societal impact.
- **Technologies & Tools: Data Visualization, Statistical Analysis, R Studio**

E-commerce Database System Development

- Designed and developed a robust database for managing core business functions, including customer information, product details, order processing, and payment tracking.
- **Technologies & Tools: SQL, PL/SQL, MySQL Workbench**

Library Management System Development

- Developed an innovative and efficient Library Management System to automate and streamline key tasks for library management.
- **Technologies & Tools: Java, Spring Boot, MySQL, IntelliJ IDEA , Postman**

Hotel Management System

- Developed a web-based Hotel Management System to modernize the reservation process, improving efficiency, accuracy, and customer experience.
- **Technologies & Tools: HTML, CSS, JavaScript, PHP, MySQL, Visual Studio Code**

Hospital Management System

- Developed a comprehensive software solution to streamline and automate key administrative and operational tasks within a hospital. Focused on enhancing efficiency, accuracy, and resource management, including patient records, doctor details, appointments, inventory management, and prescriptions.
- **Technologies & Tools: Java, MySQL, NetBeans**

Food Delivery System

- Developed a food delivery system for a restaurant, enabling customers to browse the menu, place orders, and track deliveries.
- **Technologies & Tools: C#, MySQL, Visual Studio**

REFERENCES

Ms. Anjula Weerasinghe
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