

# RUWANI RANTHIKA

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## SUMMARY

Software Engineering undergraduate currently pursuing a Higher Diploma in Software Engineering, with hands on experience in developing desktop and web applications. A fast learner with strong full stack development skills, following clean code principles and best practices. Actively adapts to new technologies, embraces AI driven development, and applies modern tools and frameworks through academic and freelance projects. Passionate about continuous learning and planning to pursue a top up degree while building a strong career as a full stack software engineer.

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## TECHNICAL SKILLS

- **Backend:** Java, Spring, Spring Boot, Java EE, Node.js, Express.js, Hibernate, JPA, Python, RESTful APIs, MVC Architecture, Layered Architecture, Design Patterns (Singleton, Factory)
  - **Frontend:** HTML, CSS, JavaScript, React, Next.js, Bootstrap, Tailwind CSS, jQuery, JavaFX, Figma (UI/UX design), React Native (Mobile App Development)
  - **Database:** MySQL, MongoDB, JDBC, Object-Relational Mapping (ORM)
  - **Tools & Technologies:** IntelliJ IDEA, Visual Studio Code, Google antigravity, Mongo DB compass, NetBeans, Postman, Scene Builder, Git, GitHub, Linux, Cisco Packet Tracer, JasperSoft Studio
  - **Other Concepts:** Programming Fundamentals, Object-Oriented Programming (OOP), Computer Networking
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## EXPIRIANCE

**Freelance Full-Stack Developer | Part-Time | Oct 2025- present**

**Project: Theta Lounge – Floating Therapy Business | MERN - Stack**

**Live Website:** <https://thetalounge.com>

- Developed a full-stack web application for Sri Lanka's first floating therapy business.
  - Implemented user authentication using Firebase Google Login.
  - Managed global application state using Redux.
  - Built secure RESTful APIs using Node.js and Express.js.
  - Designed and managed data storage using MongoDB.
  - Automated scheduled backend tasks using Cron Jobs.
- **Technologies:** MongoDB, Express.js, React.js, Node.js, Redux, Firebase Authentication, REST APIs, Cron Jobs
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## PROJECTS

**Adlync – Smart Classified Ads & Marketplace System - Spring Boot | Aug 2025 – Present**

Tech: Spring Boot, Java 21, MySQL, Bootstrap, jQuery, AJAX, Firebase, JWT, WebSocket, Swagger UI, AI tools (ChatGPT, Claude AI, v0.dev, Grok AI), Draw.io (ERD design)

Full-stack web app managing 27 entities. Implemented user account management (User, Admin, Moderator), ad posting, live chat (WebSocket), image uploads (Firebase), Google login(Firebase), JWT authentication

- Links: [YouTube Demo](#) | [GitHub Repository](#).

**Complaint Management System – Jakarta EE | May 2025**

Tech: Jakarta EE, JSP, Servlets, MySQL, Apache Tomcat, MVC, CSS, HTML, JavaScript, jQuery

Web application Enabled complaint management with role-based authentication, Http session management, and MVC architecture.

- Links: [YouTube Demo](#) | [GitHub Repository](#).

## **Serenity Mental Health Therapy Center Management System - Hibernate | Mar 2025 – Apr 2025**

Tech: JavaFX, Hibernate ORM, MySQL, JasperSoft Studio, MVC, Layered Architecture, Factory & Singleton Patterns, Figma

Desktop system Managed patients, therapy sessions, therapists, payments, and reports with BCrypt security and layered architecture.

- GitHub: [Repository Link](#)

## **Blood Bank Management System - JavaFx | Oct 2024 – Present**

Tech: Java, JavaFX, MySQL, Jasper Reports, Scene Builder, MVC Architecture, Layered Architecture, CSS, Figma design, Draw.io (ERD design)

Desktop application for managing donors, hospitals, campaigns, and blood stock, inventory etc. Integrated email notifications and dynamic Jasper Reports, following MVC & layered architecture.

- Links: [GitHub Repository](#) (Layered) | [GitHub Repository](#) (mvc)

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## **EDUCATION**

### **Graduate diploma in software engineering (GDSE-72)**

**Feb 2024 - Present**

[Institute of java and software engineering \(IJSE\)](#).

Third Semester (Final Stage)

- Completed three semesters of a four semester higher diploma program.
- Maintained a GPA of 3.52 in the first semester. Second-semester results pending.

### **Wanduramba central college - Galle**

**Jan 2007- Oct 2020**

G.C.E. Advanced Level (A/L) – Biological Science – Oct 2020

- Subjects: Physics (S), Biology (S), General English (S), Common General Test (Pass)

G.C.E. Ordinary Level (O/L) – Dec 2017

- 6A, 2B, 1C

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## **ADDITIONAL EXPERIENCE**

### **Marketing Promotion Officer (Part-Time)**

**Astra | Link Natural | Sunquick**

**Dec 2024 - Aug 2025**

- Customer engagement and promotional support.
- Team collaboration and communication skills.

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## **REFERENCES**

**Prasad waduge**

**CEO/Senior Trainer @ijse**

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**Udara San**

**CEO @ Sans technologies**

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