

# RUWANI RANTHIKA

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## SUMMARY

Software Engineering undergraduate 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, adhering to 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 building a strong career as a full-stack software engineer.

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## TECHNICAL SKILLS

### Backend Development :

Java, Spring, Spring Boot, Java EE, Node.js, Express.js, Hibernate, JPA, Python, REST APIs, JWT

### Frontend Development :

HTML, CSS, TypeScript, JavaScript, React, Next.js, Bootstrap, Tailwind CSS, jQuery, JavaFX, React Native, Figma (UI/UX Design)

### Databases & Persistence :

MySQL, MongoDB, Firestore, JDBC, Object-Relational Mapping (ORM)

### Tools & Platforms :

IntelliJ IDEA, Visual Studio Code, NetBeans, Postman, Scene Builder, Swagger UI, GitHub, Linux, MongoDB Compass, JasperSoft Studio, Firebase, Vercel, Cisco Packet Tracer

### Architectures & Concepts :

MVC Architecture, Layered Architecture, Design Patterns (Singleton, Factory), Object-Oriented Programming (OOP), Programming Fundamentals, Computer Networking

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## EXPERIENCE

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

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

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

- An end-to-end appointment and management system for Sri Lanka's first floating therapy business.
  - Enabled clients to book sessions by selecting time slots and packages, and track appointment history, completed sessions, and expiry status.
  - Built a multi-admin platform with analytical dashboards and reports to manage therapy tank schedules, open/close days and times, pricing, packages, approvals, cancellations, and system access.
  - Implemented secure authentication and real-time email notifications for bookings, payments, and status updates.
  
  - **Tech** : MongoDB, Express.js, React.js, Node.js, Redux, Firebase Authentication, REST APIs, Cron Jobs, JWT
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## PROJECTS

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

Developed a full-stack marketplace with role-based user management (Admin, Moderator, User). Enabled users to post/view ads, manage profiles, make payments, and chat with sellers in real-time. Admins and moderators can approve/reject ads, review payments, and manage reports/ratings. Implemented secure authentication (JWT, Google login), image uploads, and responsive UI.

- **Tech**: Spring Boot, Java 21, MySQL, Bootstrap, jQuery, AJAX, JSON, Firebase, JWT, WebSocket, Swagger UI, Draw.io (ERD design)
- Links: [YouTube Demo](#) | [GitHub Repository](#)

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

Developed a web application for internal complaint tracking and resolution with role-based authentication and session management. Employees can submit, view, edit, or delete complaints, while admins can view, update status, add remarks, and delete complaints. Implemented using synchronous form-based interactions

- **Tech:** Jakarta EE, JSP, Servlets, MySQL, Apache Tomcat, MVC Architecture, CSS, HTML, jQuery
- Links: [YouTube Demo](#) | [GitHub Repository](#)

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

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

- **Tech:** JavaFX, Hibernate ORM, MySQL, JasperSoft Studio, MVC, Layered Architecture, Factory & Singleton Patterns, Figma
- Links: [GitHub Repository](#)

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

Developed a desktop application to manage donors, donations, hospitals, campaigns, inventory, and blood stock. Integrated email notifications and dynamic reporting

- **Tech:** Java, JavaFX, MySQL, Jasper Reports, Scene Builder, MVC Architecture, Layered Architecture, CSS, Figma design, Draw.io (ERD design)
- Links: [GitHub Repository](#) (Layered) | [GitHub Repository](#) (mvc)

### **GoPlan – Travel Planning Mobile App | React Native | Expo | Jan 2026 - Feb 2026**

Developed an AI-powered mobile travel planning application with user authentication, cloud data storage, and profile management. Generated and processed large travel datasets using Python and integrated cloud-based image storage.

- **Tech:** React Native (Expo), Google Gemini API, Firebase Authentication, Firestore (store travel data), Redux, Python (for create JSON files), Cloudinary (store images)
- Links: [Build APK file](#) | [GitHub Repository](#)

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## **EDUCATION**

### **Higher Diploma in Software Engineering (GDSE – 72)**

**Feb 2024 – Present**

- Institute of Java and Software Engineering (IJSE)

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## **REFERENCES**

### **Prasad waduge**

**CEO/Senior Trainer - IJSE**

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### **Udara San**

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