



# GAYANI WEERASINGHE

## Software Engineering Intern

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📍 Matale, Sri Lanka

🔗 [GitHub](#)

## EDUCATION

Bachelor of Software Engineering (Hons)

**Open University of Sri Lanka**

2022 - Present

GCE A/L (Physical science)

**Pushpadana girls' college, Kandy**

2019 - 2021

## SOFT SKILLS

- Critical thinking
- Problem solving
- Communication skills
- Team working
- Prompt engineering
- Self-learner
- Management skills
- Documentation skills
- Adaptability

## ABOUT ME

I'm a Software Engineering undergraduate with a solid understanding of programming, app development, and system design. I'm passionate about building efficient solutions and always eager to learn. I have basic experience in frontend/backend development with a good sense of UI/UX design, and an interest in software testing and quality assurance.

## PROJECTS

### Front-end development

#### **Personal Portfolio Website**

##### **React, Vite**

Designed and developed a personal portfolio to showcase projects and skills. Focused on fast performance using Vite and a modern, mobile-first design. Implemented smooth navigation and interactive project displays.

#### **Vocational Training Institute Website**

##### **React, Vite**

Built a responsive educational website showcasing courses and enrollment options. Developed modular React components and optimized load times with Vite. Ensured cross-device compatibility and clean UI/UX design.

#### **Smart Library (Library management system)**

##### **Python**

Developed a backend system using Python to manage library resources such as books, magazines, and DVDs. The system supports key functionalities including adding, updating, and deleting items, and is designed for efficient catalog management.

#### **Mobile banking application(Front-end)**

##### **React-native**

Built the mobile app interface using React Native. Created screens for viewing accounts, transferring money, and checking transactions. Focused on simple, user-friendly design and smooth navigation.

# TECHNICAL SKILLS

## Programming Languages

- Java, Python, C, JavaScript, R

## Web Development

- **Frontend:** HTML, CSS, JavaScript, React.js, Vite, Next.js, Bootstrap
- **Backend:** PHP, Node.js, Express.js
- **Database:** SQL, MongoDB, PostgreSQL
- **Hosting & Deployment:** Domain setup, Web hosting, WordPress

## Mobile Development

- React Native

## Testing & QA

- **Tools:** Selenium, Postman, JMeter
- **Testing Types:** Manual Testing, Automation Testing, API Testing, Performance Testing

# LANGUAGE

Sinhala	★★★★★
English	★★★★
Japanese	★★

# App development

## CrashTrack mobile application

### Android

Developed using Java and integrated with Firebase for real-time data storage. Send accident data, including casualties, location, and images, to the hospital's database for immediate action. Google Maps integration to find the nearest hospital and navigate the shortest route to it. Supports ambulance management, including tracking availability and monitoring the ambulance's response status.

# Ongoing

## E-commerce Web Application

### MERN full stack

Designing and developing a full-stack e-commerce web application. Implementing features like user authentication, product listing, shopping cart, and payment integration.

- Technologies: React, Node.js, MongoDB, Express.js.
- Focused on responsive design, secure transactions, and scalable architecture.

# PROFESSIONAL QUALIFICATION

## Open University of Sri Lanka

Bachelor of Software Engineering (Hons)

## National Youth Services Council– Polgolla

National vocational qualification level 3 certificate course in computer application assistant

## IBA Campus – Kandy

Diploma foundation in English and communication

# REFERENCES

## Saliya Wickramasinghe

Senior Lecturer

Open University of Sri Lanka

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