

# ASANKA WIJESOORIYA

## SOFTWARE ENGINEER INTERN

Software engineering undergraduate passionate about full-stack development. Experienced in building dynamic web applications using JavaScript, React, and Node.js. Actively involved in IEEE and hackathons to enhance problem-solving skills.

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Portfolio

## EDUCATION

Sabaragamuwa University of Sri Lanka – Belihuloya, Sri Lanka

B.Sc. (Hons) in Software Engineering – Expected Graduation, 2026

Related Coursework: Data Structures & Algorithms, Object-Oriented Programming, Web Development, Database Management, Software Engineering Principles, Machine Learning, Artificial Intelligence, Computer Networks

## TECNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Php, SQL ,Java(basis), python(basis)

**Web Development:** HTML, CSS, React.js, Node.js, Next.js, REST APIs, Laravel, Tailwind Css, Bootstrap

**Develops Tools:** Docker, Kubernetes, Git, Github

**Databases & Cloud:** MongoDB, MySQL, PostgreSQL, AWS

## PROJECTS

### Advanced Food Delivery Web App (MERN Stack) (Ongoing) [github](#)

- Developing a feature-rich food delivery platform with real-time order tracking, AI-powered recommendations, and secure payment integration.
- Implementing microservices architecture for scalability and optimized database queries for high-performance user experience.

### Supermarket Sales & Demand Forecasting System (MERN Stack, Data Visualization) (Ongoing – Community Project) (Group) [github](#)

- Developing a web-based demand forecasting system for a supermarket chain, integrating machine learning insights into a user-friendly interface.

Key Contributions:

- Designed and implemented the front-end using React.js, ensuring a responsive and intuitive user experience.
- Integrated Chart.js & D3.js to create interactive data visualizations for real-time sales insights.
- Collaborated with backend and ML teams to display AI-driven demand forecasts effectively.
- Enhanced UI/UX for seamless navigation and data-driven decision-making.

### QR Code Generator [github](#)

Individual Project | Jan 2024 – Present

- Developed a QR Code Generator using HTML, CSS, and JavaScript.
- Implemented user input validation to generate QR codes dynamically.
- Enhanced UI for better user experience and responsiveness.

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## Currency Converter [github](#)

Individual Project | Feb 2024 – Present

- Built a real-time currency converter using JavaScript and MERN stack.
- Integrated an external currency exchange API to fetch live rates.
- Designed a user-friendly interface with React for seamless interactions.

## To-Do App [github](#)

Individual Project | Mar 2024 – Present

- Developed a full-stack to-do application using the MERN stack (MongoDB, Express.js, React, Node.js).
- Implemented CRUD operations for task management with a responsive UI.
- Used MongoDB Atlas for cloud-based storage and data persistence.

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## CERTIFICATIONS AND ACHIEVEMENT

2024

Fullstackdeveloper "The Complete 2024 Web Development Bootcamp An Undergraduate Degree" completed

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## ACTIVITIES AND LEADERSHIP

IEEE Student Branch – Sabaragamuwa University of Sri Lanka

Technical Team Member | 2023 – Present

- Actively contributing to the technical team in IEEE programs.
- Assisting in organizing tech-related workshops, hackathons, and events for students.
- Participated in AI and innovative idea sessions to enhance technical and problem-solving skills.

0 Plastic Initiative

Team Member | 2024

- Collaborated with a team to promote the 0 Plastic Initiative, advocating for environmental sustainability.
- Engaged in event planning, awareness campaigns, and technical support.

Field Visits to Leading Software Companies

Participant | 2023 – Present

- Visited WSO2, Creative Software, and other leading tech companies to gain industry insights.
- Learned about software development processes, cloud computing, and industry best practices.

Hackathons & University Projects

Participant & Team Collaborator | 2023 – Present

- Participated in university hackathons, solving real-world problems through collaborative coding.
- Engaged in group projects, working with peers to develop innovative software solutions.
- Explored emerging AI technologies through dedicated sessions and discussions.

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## REFERENCES

Professor S. Vasanthapriyan  
Dean, Faculty of Computing,  
Sabaragamuwa University of Sri Lanka  
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