

ASANKA WIJESOORIYA

SOFTWARE ENGINEER (INERN)

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SUMMARY

Motivated Software Engineering undergraduater with hands-on experience in full-stack development, passionate about building scalable web applications. Active contributor to university projects, hackathons, and tech communities like IEEE. Committed to continuous learning and sustainable tech initiatives.

PROJECTS

QuickCart – Full Stack E-Commerce Website | [Github](#) | [Link](#)

(Next.js | MongoDB | Clerk Auth | Inngest | Tailwind CSS)

Modern full stack e-commerce web using Next.js 14 (App Router), Tailwind CSS, and MongoDB. Integrated Clerk for seamless authentication and Inngest for background job handling. Built a dynamic admin dashboard for product and order management. Implemented cart functionality, order placement, and image upload via Cloudinary. Deployed the production-ready platform on Vercel for real-time accessibility.

To-Do App Project | [Github](#)

(Dockerized | React | Node.js | Express | MongoDB Atlas)

Built a full-stack task manager with real-time CRUD and task categorization. Dockerized both frontend and backend using individual Dockerfiles and docker-compose. Connected to MongoDB Atlas with secure .env config. Designed for scalable, production-like deployment with clean architecture.

AI Image Generator Web App | [Github](#) | [Link](#)

(Next.js 15 | TypeScript | Tailwind CSS | Shadcn UI | AI API)

Developed a modern AI-powered image generation app with a sleek, responsive UI using Next.js App Router and Shadcn UI components. Integrated a free AI API for real-time image generation based on user prompts. Implemented TypeScript for type safety and scalable development. Designed an intuitive UX with Tailwind CSS and deployed the production-ready application for public access.

QR Code Generator Web App | [Github](#)

(HTML | CSS Flexbox | JavaScript)

Built a responsive QR Code Generator using HTML, CSS Flexbox, and JavaScript. Integrated qrcode.js for real-time QR generation, with a clean UI, custom fonts, image embedding, and downloadable QR codes. Demonstrates skills in DOM manipulation, Flexbox layout, and responsive design.

Supermarket Sales & Demand Forecasting System | [Link](#)

(Python ML | Data Visualization | Prophet Model)

Developed a supermarket sales forecasting system using Python with Pandas, Scikit-learn, and Facebook Prophet for time series analysis and predictive modeling. The system analyzed historical sales data to forecast future demand accurately. A responsive web interface allowing users to interactively select custom date ranges, view forecast results, and download sales reports. The solution enhanced inventory planning and sales strategy through actionable, data-driven insights.

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

TECHNICAL 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

CERTIFICATES AND ACHIEVEMENTS

The Complete Full-Stack Web Development Bootcamp on Udemy [Certificate](#)

DevOps Beginners to Advanced with Projects [Certificate](#)

ACTIVITIES AND LEADERSHIP

IEEE Student Branch – Sabaragamuwa University of Sri Lanka

Technical Team Member | 2023 – Present

Actively contribute to IEEE programs by supporting technical teams, organizing workshops, hackathons, and student-focused events, while engaging in AI and innovation sessions to strengthen problem-solving skills.

Zero Plastic Initiative

Team Member | 2024

Collaborated with peers to promote the “0 Plastic Initiative,” participating in event planning, awareness campaigns, and providing technical support to advance environmental sustainability.

Field Visits to Leading Software Companies

Participant | 2023 – Present

Visited companies including WSO2 and Creative Software to gain firsthand exposure to industry practices, learning about software development processes, cloud computing, and professional workflows.

Hackathons & University Projects

Participant & Team Collaborator | 2023 – Present

Engaged in hackathons and academic projects to solve real-world problems through collaborative coding, team-based software development, and exploration of emerging AI technologies.

NON-RELATED REFERENCES

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