

KESHAN JAYAWEERA

SOFTWARE ENGINEER

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Gampaha, Western Province, Sri Lanka.

A motivated undergraduate with a strong interest in software engineering, web development, and digital innovation. Passionate about creating efficient, user-centered solutions that combine solid functionality and clean UI/UX design. Brings hands-on experience in full-stack development, along with proven leadership, communication, and project management skills gained through active involvement in Saegis Students' Forum, Leo Club, and other professional clubs. Quick to learn new technologies and committed to contributing positively in collaborative, high-performing teams.

EDUCATION

Saegis campus

Expected Graduation: 2027

Bsc (hons) Software engineering

- Currently pursuing a Bsc (hons) Software engineering Degree At Saegis Campus.

Delgoda Kalyana Pradeepa Pirivena

2020

Advanced Level Exams

- Completed the Advanced Level Exams Successfully in Maths Stream in 2020

Bandarawaththa Parakrama Maha Vidyalaya (National School)

2016

Ordinary Level Exams

- Completed the Ordinary Level Exams Successfully in 2016

SKILLS

- Programming Languages:** Python, JavaScript, C#
- Core Competencies:** Project Management, Full-Stack Web Development(MERN), UI/UX Design, DevOps & CI/CD, Database Management, Cybersecurity.
- Tools & Technologies:** Git, Jenkins, Notion, Docker, MySQL, PostgreSQL, MongoDB, Cassandra.
- Soft Skills:** Leadership, Project Management, Team Collaboration, Problem-Solving, Technical Writing, Communication, Adaptability & Learning, Organizational & Work Ethics, Trilingual (English, Sinhala, Tamil).
- Creative & Design:** UX Design, Graphic Design, Video Editing, Videography, Photography

CERTIFICATIONS

- | | |
|---|---|
| • AWS Cloud Computing Course (In Progress) | AWS Academy |
| • Front-End Web Development | University of Moratuwa |
| • Machine Learning - I | Columbia University in the City of New York |
| • ASP.NET Core Web API | Udemy |
| • Introduction to Data Science | Cisco Network Academy |
| • Computer Hardware Basics | Cisco Network Academy |
| • SLIIT CODE FEST-2025-Participation Certificate | SLIIT Campus |
| • LYCEUM Campus Research Circle 2025- Participation Certificate | LYCEUM Campus |
| • Saegis Code Pulse 2024-Participation Certificate | Saegis Campus |

PROFESSIONAL EXPERIENCE

Students' Forum of Saegis Campus

(2024 November -2025 November)

President

- Represent and advocate for student welfare while acting as the liaison between students and university administration. (The major student body of the Saegis Campus, that manages more than 2500 students).
- Led 12 committees within the university's main student body, ensuring effective planning and execution of initiatives.
- Be the Student Committee Lead of major university events such as Open Week, Career Fair, Mini Expo, International Research Conference, and Inauguration Ceremony.
- Lead planning and execution of cultural and religious events (Christmas, Thai Pongal, Awurudu, Posen).
- Implement and handle fundraising projects in coordination with campus organizations.
- Organized a Valid Research Workshop with academic professionals to help students in initiating research projects.
- Handle budgeting, logistics, stall setup, and inter-team coordination for large-scale events.

LEO Club of Wakanda

(2024 February - Present)

Member

- Active member attending regular club meetings and participating in community service projects.

Saegis Rifle Shooting Club

(2025 March - Present)

Member

- Active member participating in regular club activities and training sessions.
- Represent the club in competitions, contributing to team performance and skill development.

ICT Club of Saegis Campus

(2023 November - Present)

Member

- Active member contributing to club projects and initiatives.
- Collaborated with other members to ensure successful completion of club activities and events.

Youth Club of Belummahara Nawa Eksath Gemunu

(2023 – 2024)

Assistant Treasurer

- Supported financial operations by maintaining records, reconciling bills, and assisting in budget tracking to ensure accuracy and accountability.

LEO Club of Gampaha Circle

(2023 August – 2024 June)

Treasurer

- Managed and controlled the funding and financial resources of the club for accurate budgeting and tracking of expenses.
- Aided in the planning and implementation of projects for the club through the allocation of funds and financial advice.
- Aided in the organization of events, fundraising activities, and community service projects.

LEO Club of Gampaha Metro

(2020 – 2023)

Member

- Recipient of the District Award in the Vision Category for the Best Project, in recognition of excellent performance.
 - An active member participating in projects and initiatives of the club.
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PROJECTS - IT RELATED

Dyes And Thread-Ongoing Project

Full Stack Developer | MERN Stack

- Developed a full-stack, mobile-responsive e-commerce web application for selling handmade batik products.
- Designed and implemented complete CRUD operations for product and order management.
- Created dynamic and mobile-responsive user interfaces.
- Developed RESTful APIs using Node.js and Express.js for backend functionality.
- Managed database operations using MongoDB.
- Implemented secure user authentication and authorization using JWT and password hashing.
- Used Tailwind CSS for responsive design and cross-device compatibility.
- Version control and collaboration with Git & GitHub.
- GitHub: github.com/keshandinith4/dyes-and-thread
- GitHub: github.com/keshandinith4/dyes-and-thread-backend

Rabbit Tourism-Ongoing Project

Frontend Developer | MERN Stack

- Collaborated in a team to develop a tourism-based web application.
- Converted a Bootstrap template into React.js components and customized the design.
- Implemented responsive, user-friendly interfaces for seamless cross-device experience.
- Applied component-based architecture to improve UI structure and maintainability.
- Integrated frontend with backend APIs for dynamic content rendering.
- GitHub: github.com/keshandinith4/rabbit-tourism

RESEARCH & PUBLICATIONS

Impact of Seasonal Rainfall Variability on Sri Lankan Paddy Yield in Henarathgoda, Gampaha District

- Analyzed data related to weather and agriculture (over 900 acres) to understand the effect of rainfall and flooding on crop yield, and created data insights to inform decision-making, which was presented at the Saegis Undergraduate Research Symposium. (Ongoing research)

Adaptive Traffic Control System for Sri Lanka Based on Weather Conditions and Real-time Sensor Data

- Developed a weather-responsive traffic signal control system using IoT sensors and Deep Reinforcement Learning, which enhances traffic flow, reduces delay, fuel, and emissions in mixed-traffic urban intersections. (Ongoing research).

REFEREES

Dr. Krishani Anuradha Jayasinghe
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