

Eranga Kavisanka

INTERN - SOFTWARE ENGINEERING

📍 Colombo, Sri Lanka | ✉ erangakavishanka111@gmail.com | ☎ +94-715271694

🌐 [erangakavisankaariyarathna](#) | 🔄 [eranga035225](#) | 🌐 [Portfolio](#) | 📝 [Blogs](#)

Summary

Third-year Software Engineering undergraduate with industry-recognized certifications including AWS Certified Cloud Practitioner and Aviatrix Certified Multicloud Network Associate. Experienced in full-stack and mobile application development, cloud deployment, and DevOps practices. Currently focusing on Site Reliability Engineering (SRE) alongside DevOps to build scalable, reliable, and secure systems. Actively engaged in research in Artificial intelligence and Machine Learning, as well as in IoT, while continuously strengthening technical and problem-solving skills.

Education

Faculty of Computing, University of Sri Jayewardenepura BComp.(Hons.) in Software Engineering	<i>June 2023 – Present</i> GPA: 3.91
Yale College Of English Academy Assured Diploma of Education in English Language	<i>Completed 2023</i> Results: Distinction
Pinnawala Central Colllege, Rambukkana G.C.E. Advanced Level Examination	<i>Completed 2022</i> Results: BBB

Project Experience

Crystal Beauty – MERN E-Commerce Platform [Project Link](#) [Live Website](#)

- Built a full-stack MERN e-commerce platform with product management, cart, checkout, secure authentication, and role-based admin dashboard.
- Deployed frontend on Netlify and backend on Render.
- **Technologies:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS, JWT, Supabase

Sekin Express – Delivery Service System [Project Link](#) [Live Website](#)

- Developed backend for real-world delivery system with parcel tracking, booking, cost calculation, and multi-role panels.
- Manually deployed to production on Hostinger.
- **Technologies:** Laravel, PHP, MySQL, MVC, REST APIs, Authentication

Exclusive – Secure E-Commerce System [Project Link](#)

- Developed secure e-commerce system with Stripe payments, reviews, admin panel, and RBAC.
- Conducted SAST & DAST testing; deployed on Hostinger.
- **Technologies:** Laravel, MySQL, Stripe, RBAC, Security Testing

MediLink – E-Channeling System [Project Link](#)

- Built healthcare system with appointment booking, Stripe payments, and role-based access.
- Designed using MVC architecture.
- **Technologies:** Laravel, MySQL, Stripe, RBAC

Cinnamon Disease Classification (Transfer Learning)

[Project Link](#)

- Fine-tuned EfficientNetB0 model (94% accuracy) for plant disease detection.
- Integrated model into web application.
- **Technologies:** Python, TensorFlow, CNN, Transfer Learning

Aura Voice – Multilingual Text-to-Speech

[Project Link](#)

- Developed multilingual NLP-based TTS system supporting English, Sinhala, Tamil, and Hindi.
- **Technologies:** Python, NLP, gTTS, Tkinter

Smart Weather Prediction System

[Project Link](#)

- Developed and evaluated ML models; deployed via Django web app.
- **Technologies:** Python, Scikit-learn, Django

Animal Classification System (CNN)

[Project Link](#)

- Implemented CNN-based image classification system.
- **Technologies:** Python, TensorFlow, CNN

Skill Finder – Service Hiring App

[Project Link](#)

- Built Flutter mobile app with Firebase authentication and real-time database.
- **Technologies:** Flutter, Firebase

Travel Tales – Mobile App

[Project Link](#)

- Developed Flutter travel exploration application with clean UI.
- **Technologies:** Flutter, Firebase

Weather App – Mobile Application

[Project Link](#)

- Built real-time weather app with REST API integration.
- **Technologies:** Flutter, REST APIs

CI/CD Pipeline – AWS Deployment

[Project Link](#)

- Implemented AWS-based CI/CD pipeline for Java Maven application.
- **Technologies:** Java, Maven, AWS CodePipeline, EC2, S3

Docker-based CI/CD Pipeline

[Project Link](#)

- Containerized applications and automated build/deploy workflows.
- **Technologies:** Docker, GitHub Actions, Linux

Node.js Backend Deployment on AWS

[Project Link](#)

- Deployed containerized Node.js backend using Docker, ECR, and EC2 with Elastic IP.
- **Technologies:** Node.js, Docker, AWS EC2, ECR, MongoDB

Open Source Contributions

Open Source Contribution – API Learning 101

[Contribution Link](#)

- Completed the API Learning 101 open-source task, gaining hands-on experience working with RESTful APIs, core HTTP methods, JSON data handling. Followed standard open-source workflows by understanding project requirements, contributing code in alignment with repository guidelines.

Certifications

AWS Certified Cloud Practitioner	Amazon Web Services
Multicloud Network Associate Badge	Aviatrix
Full Stack Web Development Course	Skyrek
Flutter Certificate Course	Ceylon Edge
DevOps Master Program	Developers Stack
Diploma in English	Yale College Of English Academy
Linux for Absolute Beginners	KodeKloud
Intermediate Git Certificate	DataCamp
Introduction to Git	DataCamp
Introduction to MERN Stack	Simplilearn
Adobe Illustrator & Photoshop Workshop	Southern IRAA

Skills & Interests

- **Programming:** Java, Python, JavaScript, TypeScript, PHP, Dart, C, C++ ,
- **Frameworks & Libraries:** React, Node.js, Express.js, Next.js, Flutter, Laravel, Tailwind CSS
- **Mobile Development:** Flutter (Cross-platform UI, Firebase integration)
- **Databases:** SQL & NoSQL (MySQL, MongoDB)
- **DevOps & Cloud:** AWS, Docker, GitHub Actions, Linux ,Jenkins, Maven, CI/CD Pipelines
- **Machine Learning & AI:** Python-based ML, Data Preprocessing, Model Training, CNN, KNN
- **Tools:** Git, GitHub, Postman, Figma, VS Code, IntelliJ IDEA
- **Soft Skills:** Teaching & Mentoring, Research & Analytical Thinking, Leadership, Team collaboration, Problem solving, Fast learner, Adaptability, Self-motivated
- **Interests:** Cloud computing, IOT, Embedded Systems, Sensor Integration, Smart Wearable Systems, DevOps automation, AI tools, Software testing, Debugging, UI/UX design

Volunteering

Vice President, Faculty of Computing Students' Union at USJ	2024 - 2025
Head Of Teaching Panel, FusionX 1.0 organized by FOC USJ in Collaboration with Sri Lanka Association For AI	2025
Media Team, IEEE Student Branch - USJ	2024
Program Team, IEEE Xtreme 17.0	2023
Batch Representative, Faculty Of Computing - USJ	2024-Present

Other Skills & Experience

Banking Intern, Peoples Bank	2021 - 2022
School Maths Olympiad Competitor	School Years
Maths Tutor	2021 - Present
Scout	School Years