

Vishishta Dilsara

INTERN - SOFTWARE ENGINEERING

📍 Colombo, Sri Lanka | ✉ vishishtadilsara2002@gmail.com | 📞 +94-761673391

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Summary

A third-year Software Engineering undergraduate and AWS Certified Cloud Practitioner (CLF-C02) with experience in building full-stack applications and implementing DevOps practices for modern software systems. I focus on clean, scalable, and maintainable code, with hands-on exposure to testing, debugging, and technical documentation. I work with cloud and DevOps technologies including CI/CD pipelines, containerized deployments, and cloud infrastructure to deliver reliable and scalable applications. I contributed to production-scale open-source projects used in real-world environments.

Education

Faculty of Computing, University of Sri Jayewardenepura BComp.(Hons.) in Software Engineering	<i>June 2023 – Present</i> GPA: 3.707
Esoft Metro Campus, Galle Assured Diploma in Information Technology	<i>Completed 2023</i> Results: Distinction
Richmond College, Galle G.C.E. Advanced Level Examination	<i>Completed 2022</i> Results: ABC

Project Experience

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

- Developed a full-stack MERN e-commerce web application with product management, shopping cart, checkout, secure authentication, and role-based admin dashboard.
- Containerized the application using Docker and deployed it on AWS EC2 with an automated CI/CD pipeline using GitHub Actions.
- **Technologies:** MongoDB, Express.js, React.js, Node.js (MERN Stack), Tailwind CSS, JWT Authentication, Docker, Docker Hub, GitHub Actions, AWS EC2, Supabase (Media Storage)

ThumbClick – AI-Powered Thumbnail Generator [Project Link](#) [Live Website](#)

- Developed a full-stack MERN-based AI thumbnail generator enabling users to create, preview, download, and manage YouTube-formatted thumbnails with secure authentication and cloud image storage.
- Integrated AI image generation using the A4F API (FLUX-Schnell model) and deployed the frontend and backend on Vercel with automated deployment.
- **Technologies:** React, typescript, nodejs, express, mongodb, clodinary, A4F api, flux-scnell model, vercel

SmartFlix – ML-Based Movie Recommendation System (Group Project) [Project Link](#)

- Built a Python-based machine learning movie recommendation system using a KNN model for personalized suggestions, integrating data preprocessing, model inference, and end-to-end application workflow in a collaborative team setting.
- **Technologies:** Python, KNN Model, Machine Learning Libraries (NumPy, Pandas, Scikit-learn)

Developer Portfolio Website

[Project Link](#) [Live Website](#)

- Designed and developed a personal portfolio using Next.js to showcase projects, technical skills, and contact features.
- Deployed the portfolio on AWS using S3 and CloudFront, configured domain management with Namecheap, and implemented a CI/CD pipeline using GitHub Actions with appropriate IAM roles and policies.
- **Technologies:** Next.js, Tailwind CSS, AWS S3, AWS CloudFront, AWS IAM, GitHub Actions, Namecheap (Domain Management)

Skill Finder – Service Hiring Mobile Application

[Project Link](#)

- Developed a cross-platform mobile application for a real-world client using Flutter and Firebase, enabling users to discover, hire, and communicate with service providers through service listings, booking workflows, and provider profile management, while collaborating with stakeholders to deliver a production-ready solution.
- **Technologies:** Flutter, Firebase (Auth, Firestore, Storage)

E-Commerce Mobile Application

[Project Link](#)

- Cross-platform mobile shopping application designed with a UI inspired by the Abans retail app, offering product browsing, cart handling, and seamless checkout experiences.
- Developed using Flutter with Firebase as the backend for authentication, real-time data management, and cloud storage. Implemented dynamic product displays, user account features, and order workflows. Ensured responsive interfaces and smooth navigation while collaborating on design and system integration tasks.
- **Technologies:** Flutter, Firebase (Auth, Firestore, Storage)

Projects as a Graphic Designer

[Portfolio Link](#)

- Designed logos, posters, branding assets, and social media content for real-world clients, delivering creative and professional visuals.
- Worked with Adobe Photoshop and Illustrator to produce clean, high-quality designs and collaborated with clients to refine concepts.
- **Technologies:** Adobe Photoshop (PS), Adobe Illustrator (AI)

Open Source Contributions

Open Source Contribution to MiroTalk – Bug Fixing

[Contribution Link](#)

- Identified and fixed a bug in the open-source project *MiroTalk*, following standard open-source workflows including creating an issue, forking the repository, working with branches, and submitting a pull request.

Open Source Contribution to MiroTalk – Feature Implementation

[Contribution Link](#)

- Implemented a new feature in the open-source project *MiroTalk* by adding delete button functionality, following standard open-source workflows including issue creation, forking, branching, and submitting a pull request.

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 (CLF-C02)	Amazon Web Services
Aviatrix Multicloud Network Associate Badge	Aviatrix
FinOps Certified Practitioner Badge	Linux Foundation
AWS Cloud Quest: Cloud Practitioner Badge	Amazon Web Services
Assured Diploma in IT	Esoft Metro Campus
Linux, Docker, Kubernetes	KodeKloud
Docker MasterClass : Docker - Compose - SWARM	Udemy

Skills & Interests

- **Programming:** Java, Python, C, C++, C#, JavaScript, TypeScript, PHP, Dart
- **Frameworks & Libraries:** React, Node.js, Express, Next.js, Tailwind CSS, Flutter, Laravel
- **Databases:** SQL & NoSQL DBs (MySQL, MongoDB)
- **DevOps/Cloud:** CI/CD, Docker, GitHub Actions, AWS, Linux
- **Tools:** Git, GitHub, Postman, Figma, VS Code, IntelliJ IDEA
- **Soft Skills:** Teamwork, Problem Solving, Fast Learner, Ability to adapt quickly, Self-motivated
- **Interests:** Cloud, AI tools, Automation, Software Testing, Debugging, Content Creation, Graphic Designing

Volunteering

President , Faculty of Computing Students' Union at USJ	<i>2024 - 2025</i>
Marketing Director , Nachna dancing competition organized by Flair club at USJ	<i>August 2025</i>
Member , IEEE Xtreme 17.0	<i>2023</i>
Member , Sasnaka Sansada Foundation	<i>2023 - Present</i>
Marketing Head , FusionX 1.0 organized by FOC USJ	<i>November 2025</i>