

Vishishta Dilsara

INTERN - SOFTWARE ENGINEERING

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Summary

A third-year Software Engineering undergraduate with hands-on experience in designing and developing practical software solutions. I am focused on improving my ability to write clean, scalable, and maintainable code while strengthening my skills in testing, debugging, and technical documentation. I enjoy contributing to collaborative projects where I can learn from others, share ideas, and build meaningful applications. Known for being adaptable and quick to learn, I approach challenges with creativity and a problem-solving mindset. I also have a growing interest in cloud technologies and enjoy exploring how they can support modern, reliable, and user-friendly software systems.

Education

Faculty of Computing, University of Sri Jayewardenepura

June 2023 – Present

BComp.(Hons.) in Software Engineering

GPA: 3.707

Richmond College, Galle

Completed 2022

G.C.E. Advanced Level Examination

Results: ABC

Project Experience

Beauty Glow – MERN E-Commerce Platform

[Project Link](#)

- Designed and developed a full-stack e-commerce web application for a cosmetics brand, featuring product listings, shopping cart functionality, secure user authentication, and a role-based admin dashboard for managing products, users, and orders.
- Built a responsive frontend using React with a user-friendly interface. Developed the backend using Node.js and Express, implementing RESTful APIs for products, users, carts, and orders. Configured MongoDB for efficient data modeling and storage of users, products, and transactions. Ensured secure API access using JWT-based authentication and smooth frontend-backend integration.
- Technologies:** MongoDB, Express.js, React.js, Node.js (MERN Stack), Tailwind CSS, JWT Authentication, Supabase (Media Storage)

E-Commerce Web Application (Group Project)

[Project Link](#)

- Full-featured online shopping platform enabling product browsing, cart and checkout operations, user authentication, and an admin dashboard for managing products, categories, and orders.
- Designed and implemented frontend views using Laravel Blade templates with Bootstrap for styling. Developed backend modules for product CRUD operations, order workflows, and user role handling. Integrated controllers with database models and ensured smooth request-response flow. Configured MySQL database, optimized queries, and collaborated using Git throughout the SDLC.
- Technologies:** Laravel (PHP), Bootstrap, MySQL

SmartFlix – ML-Based Movie Recommendation System (Group Project)

[Project Link](#)

- Machine learning-driven movie recommendation system developed to suggest personalized movies based on user preferences and similarity-based retrieval.

- Implemented a KNN (k-Nearest Neighbors) model to compute content similarity and generate recommendations. Built both frontend and backend using Python, integrating data preprocessing, model inference, and UI interaction into a unified application workflow. Collaborated in a group setting, handling model tuning, feature engineering, and end-to-end system integration.

- **Technologies:** Python, KNN Model, Machine Learning Libraries (NumPy, Pandas, Scikit-learn)

Skill Finder – Service Hiring Mobile Application

[Project Link](#)

- Mobile application developed for a real-world client, enabling users to discover, hire, and communicate with service providers across various skill categories.
- Built using Flutter for a smooth cross-platform experience. Integrated Firebase services for user authentication, real-time database operations, and data storage. Designed intuitive UIs, implemented service listings, booking flows, and provider profile management. Collaborated with the client and team to refine requirements and deliver a functional production-ready app.

- **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)

Plant Disease Recognition System – CNN Model

[Project Link](#)

- Deep learning-based prediction system developed to identify plant diseases from leaf images using a custom-trained Convolutional Neural Network (CNN).
- Built and trained the CNN model using TensorFlow, including dataset preprocessing, augmentation, and accuracy tuning. Developed a web interface using HTML and CSS, and integrated the trained model with a Flask backend to provide real-time image uploads and prediction results. Ensured smooth client-server communication and deployed the system for interactive testing.

- **Technologies:** TensorFlow, CNN, Flask, HTML, CSS

CI/CD Pipeline for Java Maven Project – AWS Deployment

[Project Link](#)

- Implemented a continuous integration and continuous deployment pipeline for a Java Maven application to automate build, test, and deployment workflows.
- Configured the pipeline using AWS services, integrating source code management, automated builds with Maven, artifact generation, and deployment stages. Ensured smooth orchestration of pipeline steps, environment configuration, and reliability in version rollouts. Enhanced delivery speed and reduced manual intervention through automated triggers and monitoring.

- **Technologies:** Java, Maven, AWS (CodePipeline, CodeBuild, EC2/S3), Git

Graphic Designer – Real-World Client Projects

[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)

Certifications

AWS Cloud Quest: Cloud Practitioner Badge

Amazon Web Services

Aviatrix Multicloud Network Associate Badge

Aviatrix

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, PHP, Dart
- **Frameworks & Libraries:** React, Node.js, Express, 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

2024 - 2025

Marketing Director, Nachna dancing competition organized by Flair club
at USJ

August 2025

Member, IEEE Xtreme 17.0

2023

Member, Sasnaka Sansada Foundation

2023 - Present

Marketing Head, FusionX 1.0 organized by FOC USJ

November 2025