

Shashith Rashmika

UCSC | Software Engineering

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Profile Summary

Information Systems graduate from the University of Colombo School of Computing with a Second Class Upper Division and hands-on industry experience in full-stack development. After successfully completing a 6-month internship as a Full Stack Developer, I was offered a permanent position as an Associate Software Engineer. Interested in machine learning and web-based application development, with practical experience in frontend and backend technologies.

Professional Experience

White Star Web Solutions

Associate Software Engineer (Promoted from Intern)

Since October 2025

- Developed and maintained features across the full stack for production client applications, ensuring system reliability through manual testing and feature validation.
- Built dynamic frontend web interfaces using **Next.js** and engineered interactive 3D visual modules utilizing **Three.js**.
- Architected and deployed automated backend workflows using **n8n** to optimize internal data pipelines and system processes.
- Engineered server-side features and RESTful API integrations using **Laravel** to connect frontend views with database schemas.
- Developing an image-generation workflow for an AI influencer platform; managing dataset preparation, training custom **Flux LoRA** models hosted on Hugging Face for identity consistency, and executing workflows in ComfyUI Cloud.

Projects

HomeGenie - On-Demand Home Services Platform

- Designed and developed a role-based service booking platform with user management, service listings, and inventory tracking.
 - Implemented custom PHP MVC architecture, authentication, and CRUD workflows for admins, service providers, suppliers and customers.
- Tech Stack:** PHP (MVC Custom Framework), MySQL, HTML, CSS, JavaScript

Chatty Chatty - Real-Time Chat Application

- Developed a real-time chat system with secure authentication, online/offline presence, and instant messaging.
 - Built real-time communication with Socket.io and Zustand, emphasizing scalable architecture and reliable session handling for a smooth user experience.
- Tech Stack:** React, Node.js, MongoDB, Socket.io, Zustand

Laptop Price Predictor - ML Project

- Built a machine learning pipeline to predict laptop prices using Random Forest Regression based on hardware features.
 - Performed data preprocessing, feature engineering, model training, and evaluation in Jupyter Notebook.
- Tech Stack:** Python, Scikit-learn, Flask, Jupyter Notebook

Local AI-Powered Windows Terminal

- Developed a completely offline, web-based Windows terminal allowing users to execute system operations using natural language instead of traditional PowerShell syntax.
 - Integrated a local open-weight LLM (Ollama) to translate user queries into executable scripts, managing real-time command execution and OS output streaming via WebSockets.
- Tech Stack:** Python (FastAPI), JavaScript, WebSockets, Ollama (Qwen2.5), Windows PowerShell

Other Projects

- **Book Management System** – Simple CRUD app built with React and Spring Boot for learning purposes, with Selenium (Java) automation for login and CRUD flows.
- **Clubsync** – Built a volunteer & event management platform with Next.js web dashboard and React Native app, featuring JWT auth, real-time updates, and Cloudinary media handling.
- **SR-Chatbot** – A simple chatbot built using Python, Flask, HTML, CSS, JavaScript, and the Gemini free API.
- **Chill Campus (Ongoing)** – Inter-University Social Platform for Sri Lankan university students, featuring authentication, user profiles, posts, community creation, and real-time chat.
- **Athagili** – A culturally focused dating web platform with role-based profiles, chat, and matching features using Next.js, Supabase, and TailwindCSS.
- **Web Server (using C)** – Simple web server which serves web pages according to HTTP requests.

Education

University of Colombo School of Computing

BSc. in Information Systems, GPA: 3.50 / 4.00

Current Rank: 23

Director's List – Year 3, Semester 1

G.C.E. A/L: 2021 | Maths Stream with ICT | BCC

G.C.E. O/L: 2017 | 8 A's, 1 B

Colombo, Sri Lanka

2023–2026

Additional Information

- **Programming Languages:** JavaScript, TypeScript, PHP, Python, Java, C
- **Frameworks & Libraries:** React.js, Next.js, Express.js, Spring Boot, Laravel, JavaFX
- **Databases:** MySQL, MongoDB, PostgreSQL
- **ORM:** Prisma, Hibernate
- **Cloud & DevOps:** AWS (Basics), GitHub Actions, Docker (Basics)
- **Tools & Practices:** GitHub, Figma, REST APIs, MVC, JWT, Design Patterns (Fundamentals)
- **QA & Testing:** Manual Testing, Unit & Integration Testing, Test Planning, Cross-Browser Testing, Test Automation using Selenium with Java, Postman, Jira

Certifications

AWS Cloud Practitioner Essentials – Amazon Web Services (AWS) Training

Aug 2025

Mastering Agent Design Patterns with Hands-on Projects – Udemy

Aug 2025

SQL (Intermediate) – HackerRank

Aug 2025

Next.js Fundamentals, v4 – Frontend Masters

Jul 2025

Enterprise Java with Spring Boot – Frontend Masters

Jul 2025

Oracle Cloud Infrastructure 2025 AI Foundations Associate – Oracle

Aug 2025

References

Dr. Thushani A. Weerasinghe, PhD.

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