

# Shashith Rashmika

Information Systems Undergraduate | Software Engineering

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## Profile Summary

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Information Systems undergraduate with practical experience in full-stack development using Next.js, MERN Stack, and PHP (Custom MVC), currently expanding skills in Spring Boot. Strong foundation in building web applications, clean code practices, and problem-solving.

## Professional Experience

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### White Star Web Solutions (ArtsLab Creatives)

Full Stack Developer Intern (6 Months)

Since October 2025

- Worked on real-world client projects contributing to both frontend and backend development.
- Built web interfaces using **Next.js** and implemented interactive 3D features with **Three.js**.
- Developed workflow automations using **n8n** to support internal processes.
- Assisted with backend integrations using **Laravel** and **Filament**.
- Participated in quality assurance, including manual testing and feature validation, and supported UI/UX implementation.

## Projects

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### 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

### Clubsync - Volunteer Event Management Platform

- Volunteer and Event Management Platform for organizing events, engaging volunteers via a web and mobile platform.
- Implemented JWT-based authentication and media handling with Cloudinary, and developed both a React Native mobile app and a Next.js web dashboard sharing the same backend services.

**Tech Stack:** Next.js, MongoDB, Socket.io, JWT, React Native, Cloudinary

### 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

## 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.
- **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 (Ongoing)** – A culturally focused dating web platform with role-based profiles, chat, and matching features using Next.js, Supabase, and TailwindCSS.
- **Cafe Hifi** – A JavaFX-based POS system with admin/employee roles, sales tracking, and product management for small cafes.
- **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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### Dr. Yohani S. Ranasinghe

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