KANCHANA RATHNAYAKA

UNDERGRADUATE

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ABOUT ME

An undergraduate software engineering student, I specialize in developing scalable, efficient software solutions using modern frameworks and tools. Proficient in programming, object-oriented design, database management, and UI/UX principles, I adapt quickly to dynamic environments and embrace continuous learning. Passionate about integrating artificial intelligence with software development, I am driven to apply agile methodologies and innovative problem-solving to deliver high-quality, tailored solutions within tight deadlines.

SKILL SUMMARY

Languages : Java, JavaScript, C#, C, C++, Python, HTML, CSS, PHP

Frameworks : React, .NET Core, Node, Express

Tools and Technologies : Postman, Figma

Databases : MySQL, MongoDB, SQL Server

PROJECTS

Driving School Management System

Github Link : https://github.com/Group12ITP/Driving

Technologies Used : React, Node, Express, MongoDB

- Built a web platform for online lesson booking, instructor selection, progress tracking, payments, and communication.
- Improved training comfort and efficiency by enabling students to choose instructors and access real-time updates.
- Implemented secure login, role-based access, study materials, feedback system, and performance reports.
- Agile-based development with full testing and GitHub collaboration.

Computer Spare Parts Management System

Technologies Used : HTML, CSS, Java, Javascript, MySQL

- Developed a system for online purchasing of computer parts like CPUs, GPUs, RAM, and SSDs.
- Enabled features for user login, product search, order placement, secure payments, and delivery tracking.
- Implemented real-time stock updates and a quality check process before updating inventory.
- Built a warranty claim module with automated verification, refund/replacement handling, and logging.
- Included customer feedback, warranty request, and support inquiry features for enhanced service quality.

School Van Management System (On going)

Technologies Used : .NET Core (ASP.NET Core MVC), Razor Pages, CSS, Bootstrap, C#, SQL Server

- Designing a complete web-based platform for school van management enabling parents to book vans, track van location in real-time, and view child attendance and payment details.
- Implementing a robust booking workflow that includes detailed van and driver previews prior to reservation, enhancing user experience and decision-making
- Integrating Leaflet.js maps to track live van positions and visually represent progress along the school route.
- Building role-based dashboards for parents, drivers, and admins to manage bookings, routes, attendance, and payments seamlessly.

EDUCATION

2023 - Current
Sri Lanka Institute of Information
Technology (SLIIT)

BSc (Hons) in Information Technology
Specializing in Software Engineering
Current CGPA : 3.64 / 4.00

2022
St Sylvesters College , Kandy

GCE Advanced Level
Field of Study : Physical Science

CERTIFICATIONS

**Certificate In Applied Information
Technology (CAIT)**
Sri Lanka Telecom Training Center

Certificate In Computer Learning
(Level 01- Level 05)
National Institute of Co-Operative Development

SOFT SKILLS

- Problem-solving
- Team collaboration
- Communication skills
- Adaptability
- Time management
- Resilience
- Critical thinking
- Eagerness to learn

EXTRA CURRICULAR ACTIVITIES

Karate Practitioner – Yellow Belt
Member of the Universal Karate- Do Association.
Preparing for Green Belt grading in August 2025.

1st Place – Kumite & Kata
International Fumonkai Karate Championship,
Sri Lanka – 2024

Swimming Team Member
St Sylvesters College Swiming Team

LANGUAGES

- English
- Sinhala (Native)

REFERENCES

N A GAMINI
Manager,
Hatton National Bank PLC, Kandy.

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Gangawata Korale

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