



SANDUN THEEKSHANA

Software Technology Undergraduate

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SUMMARY

I am an ICT undergraduate at the Faculty of Technology, University of Sri Jayewardenepura, with a strong interest in web development. I am passionate about building modern and responsive web applications using the MERN stack (MongoDB, Express.js, React.js, and Node.js). I enjoy learning new technologies and continuously improving my skills to create efficient and user-friendly digital solutions.

EDUCATION

- Bachelors of Information and Communication Technology (Hons) – University of Sri Jayewardenepura **(2023 - Present)** - CGPA : 3.2 / 4.0
- G.C.E. Advanced Level – President College, Embilipitiya **(2021/2022)** - AAB (District 14)
- G.C.E. Ordinary Level – President College, Embilipitiya **(2018)** - A3 B3 C3

TECHNICAL SKILLS

- **Frontend:** React.js, HTML, CSS, JavaScript , Tailwind CSS
- **Backend:** Node.js, Express.js, RESTful APIs
- **Database:** MongoDB
- **Version Control:** Git, GitHub
- **Development Tools:** VS Code, Postman

SOFT SKILLS

- Team Collaboration and Leadership
- Problem-Solving
- Effective Communication and Presentation
- Adaptability and Continuous Learning
- Time Management and Task Prioritization
- Languages as Sinhala (Fluent), English (Intermediate)

PROJECTS

- **[Casual Club E-Commerce Web Application \(MERN Stack\)](#)**

Developed a complete e-commerce platform enabling users to register, browse, and purchase products securely. Implemented JWT-based authentication, user management, and product CRUD operations. Designed an intuitive admin dashboard to manage inventory, track orders, and control user access.

- **[Service Link \(Group Project\)](#)**

Build a express backend for 3rd year group project in mobile application development module.

Our group developed Service Link mobile application using Flutter + express + mongodb for connect community members with service providers for everyday tasks such as plumbing, electrical work, cleaning etc.

- **[IntelliPrep - AI-Powered Interview Preparation Platform \(MERN Stack + AI Integration\)](#)**

Created an intelligent web application that generates personalized interview questions and evaluates responses using AI. Integrated natural language processing tools to assess user input and provide real-time feedback. Designed a responsive and accessible user interface to enhance user engagement and learning.

- **[MERN Auth System \(MERN Stack\)](#)**

Built a secure authentication system featuring user registration, login, and password reset. Applied password hashing, token-based verification, and protected routes using JWT. Focused on code modularity and data privacy best practices.

CERTIFICATIONS

- MERN Stack Web Application Development Course – SKYREK Institute (**2025**)
- Web Design for Beginners – Center for Open and Distance Learning, University of Moratuwa (**2025**)

ACHIEVEMENTS

- Completed three full-stack MERN web applications independently.
- Successfully integrated AI-based features for enhanced user learning in web platforms.

REFERENCES

Dr. Chamara Liyanage.
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