



# HANSANIE NETHTHASINGHE

Undergraduate | Software Engineering

## CONTACT

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## EDUCATION

- Jun 2021 - Present**  
**BSc (Hons) Information Technology**  
**Specializing in Software Engineering**  
Sri Lanka Institute of Information Technology,  
Malabe, Sri Lanka  
Weighted GPA - 3.61
- G.C.E. Advanced Level Examination**  
Good Shepherd's Balika Maha Vidyalaya  
Nuwara Eliya  
Biology Stream

## TECHNICAL SKILLS

- MERN Stack
- HTML , CSS, JavaScript
- Java
- Database Management (MySQL, MongoDB)
- Flutter
- Docker / Containerization
- AWS Management Console
- GitHub
- Continuous Integration /Continuous Delivery (CI/CD)
- Microservices architecture
- MVC Architecture
- Postman Testing
- Object Oriented Programming (OOP)

## PROFILE

Passionate, final year Software Engineering undergraduate (awaiting graduation - March 2026) with hands-on experience in web development and object-oriented programming and DevOps. Possesses strong time management and leadership skills. Self-motivated and eager to apply knowledge to real-world challenges, committed to continuous learning, and excited about making impactful contributions in the field of software engineering. I am seeking an Associate Software Engineer position to apply my skills and grow professionally.

## EXPERIENCE

- Coltex Biz Solutions Pvt. Ltd.**  
**July 2024 - June 2025**  
Full Stack Developer Internship
  - Developed full-stack applications (Restaurant Management System, Service Station Management System and Pawning Management systems) using the MERN stack.
  - Built RESTful APIs with Node.js/Express and designed efficient schemas in MongoDB.
  - Created responsive UIs with React.js and designed user-friendly prototypes in Figma.
  - Collaborated in team projects while following Agile methodologies, using version control (GitHub) and best coding practices.

## ACHIEVEMENTS

- Dean's List award**  
in recognition of academic excellence in the first year second semester of 2022 (GPA - 3.83)
- Dean's List award**  
in recognition of academic excellence in the second year first semester of 2023 (GPA - 3.82)
- Dean's List award**  
in recognition of academic excellence in the final year second semester of 2025 (GPA - 3.83)

## SOFT SKILLS

- Leadership
- Time Management
- Communication Skills
- Work Under Pressure
- Teamwork
- Project Documentation

# PROJECTS

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## Punchi Pasala (Research Project)

An interactive educational web application, designed to identify learning difficulties of Deaf and Mute students in Sri Lanka. Provide activities with guided sign language instructions. Web camera inputs are identified by trained machine learning models.

- Node.js, React.js, Tailwind CSS
- Mongo DB, Cloudinary
- AWS (ECS, S3, IAM, VPC), Docker
- Python, Tensorflow

## Waste Management System

This project is about scheduling garbage collection automatically, when the weight limit is exceeding which can contain in a bin. Google map was implemented to fetch the locations to schedule the routes for garbage collection trucks. Tested the vulnerabilities using ZAP and fixed them.

- MERN stack
- ZAP

## Code Complexity Measuring Tool

This project is about calculating code complexity (Cognitive Functional Size and Cognitive Code Complexity) of Java code segments. Monaco code editor was used to input the code segments. File uploading option was included and users can download the report as a pdf. Used MERN stack to build this application.

## Planaroma (Online Event Planner)

This web application provides a centralized and efficient platform for users to organize and manage events (Solo Project)

Technologies used,

- Java (MVC Architecture)
- HTML / CSS / JavaScript / Bootstrap
- MySQL

## EV Charging Station Booking System

This system was developed using client-server architecture. A central web service was developed while clients (Web and Mobile) limited to user interfaces.

- C# - Fat Server
- React - Web application
- Android - Mobile application
- Google Map Integration

## E-Commerce Backend

This project is focused on building a Node.js backend using a microservices architecture. It includes automated CI/CD pipelines and cloud deployment using containerized services.

- Node.js (Microservices)
- GitHub Actions (CI/CD)
- Docker & Docker Hub
- AWS ECS (Deployment)
- IAM Roles (Secure access control)

## Medical Center Management System

The Medical Center Management System is built using a mostly used tech stack (MERN), featuring

- MongoDB for database management,
- Express.js and Node.js for the server-side application,
- React.js for the frontend, and
- Material UI for a polished and user-friendly interface

## Mobile app for Rheumatic clinical patients

This system developed to manage the patients (who are suffering from rheumatic disease) in a clinic through a mobile application.

Technologies used,

- Flutter (Frontend)
- Node.js (Backend)
- Mongo DB (Database)
- Vercel

# REFERENCES

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## **Ms. Jenny Krishara**

Senior Lecturer,  
Department of Information Technology,  
Faculty of Computing  
Sri Lanka Institute of Information Technology,  
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