



# IMASHA DE SARAM

SOFTWARE ENGINEERING UNDERGRADUATE

## PERSONAL PROFILE

I am determined to develop my skills and grow professionally. I am confident in my ability to work in a team, with a sense of commitment and responsibility.

## CONTACT



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https://codeandcoffee7.wordpress.com/

## SKILLS

Technical:

HTML	●	●	●	●	●
CSS	●	●	●	●	●
Bootstrap	●	●	●	●	●
Java	●	●	●	●	●
JavaScript	●	●	●	●	●
MySQL	●	●	●	●	●
SpringBoot	●	●	●	●	●
JDBC	●	●	●	●	●
Hibernate	●	●	●	●	●
Angular	●	●	●	●	●
NodeJs	●	●	●	●	●
PHP	●	●	●	●	●
Selenium	●	●	●	●	●

Languages:

English	●	●	●	●	●
Sinhala	●	●	●	●	●

## SUMMARY OF EXPERIENCE

- Software Engineering undergraduate at IIT awarded by University of Westminster (2022-2027).
- Skilled in: Java, Spring Boot, MySQL, JDBC, Angular, HTML, CSS, JavaScript, Python, NodeJs, Bootstrap, Hibernate.
- An effective communicator who has strong problem solving and analytical abilities.
- Completed an 18-month internship at HCLTech.

## EDUCATION

- **BSc(Hons) in Software Engineering** **2022-present**
  - *University of Westminster, UK*
    - Currently in the third year of the program, pursuing studies on a part-time basis.
- **Java FullStack Course - Percepio** **2023**
  - *HCLTech Sri Lanka*
    - A complete Java course covering core Java concepts and the Spring framework.
- **The Complete 2020 Web Development Bootcamp** **2024-present**
  - *Udemy*
    - A complete web development course covering HTML, CSS, JavaScript, Node.js, MongoDB, and React.js, along with hands-on coding exercises.

## WORK EXPERIENCE

- **Intern Software Engineer** **2022-2023**
  - *HclTech Sri Lanka*
    - Successfully completed Classroom Training (CRT) along with an end-to-end hands-on project utilizing both frontend and backend technologies in a collaborative team environment.
    - Developed essential skills in teamwork, leadership, and effective communication.
- **Associate Software Engineer** **2023-Present**
  - *HCLTech Sri Lanka*
    - Successfully completed On-The-Job Training (OJT), developed a hands-on project applying both frontend and backend technologies.
    - Strengthened my analytical and problem-solving skills by resolving complex bugs and optimizing system performance.
    - Enhanced my ability to write clean, efficient and maintainable code.

# PROJECTS

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## LIBRARY MANAGEMENT SYSTEM (HCLTECH CRT FINAL GROUP PROJECT ) - 2022

- **Objective of the project:** Allows User to register, log-in and Admin can add, view, update and delete books.
- **Contribution:** Created the front-end parts like User login interface, Gallery and documentation.
- **Technologies used:** Used HTML5, CSS, JavaScript to design web pages. Spring Boot as the back-end framework. For front-end development, Angular was used, and MySQL was used as the DBMS.

## CLAIMS MANAGEMENT SYSTEM (HCLTECH OJT FINAL GROUP PROJECT ) - 2022

- **Objective of the project:** Analyze the circumstances of the claim, take actions including payment and execute transactions.
- **Contribution:** To visualize the logical flow of information in the system, I constructed a data flow diagram. The four main entities in our project were Admin, User, Claim, and Bill. Along with the controller, repository, and exceptions for the User entity, I implemented the essential User entity functions such as delete, find, update, and persist.
- **Technologies used:** Used Spring Boot, Oracle SQL, JUnit.

## EXAMINATION MARKS EVALUATION SYSTEM (IIT UNIVERSITY INDIVIDUAL PROJECT ) - 2022

- **Objective of the project:** Console-based python application for managing and assessing student marks. Developed an "Examination Marks Evaluation System" which simplifies the task of evaluating student performance and made decisions regarding grading, feedback based on the results. Python lists, vertical histograms, user input validation and file handling concepts have been used.
- **Technologies used:** Used Python.

## BOOKING AND RESERVATION SYSTEM (IIT UNIVERSITY INDIVIDUAL PROJECT ) - 2023

- **Objective of the project:** Console-based java application for managing a Theatre. Developed a "Theatre management system" to manage ticket bookings and customer details in a theatre. Applied Java OOP concepts.
- **Technologies used:** Used Java.

## WIKING FITNESS WEBSITE (IIT UNIVERSITY GROUP PROJECT ) - 2023

- **Objective of the project:** To build a dynamic website for a gymnasium.
- **Contribution:** Created a Site Map (Diagram SVG), Image gallery with descriptions, extra Content page and a Page Editor page.
- **Technologies used:** Used HTML5, CSS and JavaScript.

## PATH FINDING PROJECT (IIT UNIVERSITY INDIVIDUAL PROJECT ) - 2024

- **Objective of the project:** Console-based java application for pathfinding to solve a given puzzle. The project tackles the puzzle traversal with a mix of DFS and backtracking to explore and find the shortest path efficiently.
- **Technologies used:** Used Java.

## LIVE UPDATING TICKETPOOL (IIT UNIVERSITY INDIVIDUAL PROJECT ) - 2024

- **Objective of the project:** Developed a full-stack project which is a real-time ticketing system that handles concurrent ticket releases (by vendors) and purchases (by customers) using multi-threading and synchronization.
- **Technologies used:** Used Java, SpringBoot, Angular, MySQL.

## SALON PROJECT - GROUP PROJECT(PERSONAL) - 2025-PRESENT

- **Objective of the project:** This personal group project is designed to provide customers with a seamless platform to book appointments with barbers.
- **Contribution:** I am responsible for developing the barber entity, including implementing their signup and login system along with the corresponding web interfaces.
- **Technologies used:** Used Java, SpringBoot, Angular, MySQL.