



CHAMOD MADUSANKA

BSC (HONS) SOFTWARE ENGINEER
(UNDERGRADUATE)

EXPERIENCE

Information Technology Trainee

Nawaloka Hospital, Negombo (March 2025 - present)

Currently undergoing an internship in a real-world healthcare IT environment, where I support daily IT operations, troubleshoot hardware and network issues, and assist in software development using Java. This role has enhanced my technical knowledge, problem-solving abilities, and communication skills while giving me hands-on experience in maintaining and improving IT systems in a high-demand setting.

PROJECTS

- **MediForecast: AI-Powered Drug Demand Forecasting & Digital Prescription Platform (*In Progress*)**

Designing a web-based system to help Sri Lankan pharmacies forecast medicine demand and reduce stockouts/overstock using AI/ML models. The platform will also allow doctors to send secure digital prescriptions directly to pharmacies, improving accuracy and speeding up the prescription process.

Technologies: Python, Flask/Django, React.js, REST APIs, PostgreSQL, Machine Learning (time-series forecasting).

- **PahanaEdu Bookshop Billing & Analytics Web Application**

Digitized customer accounts, billing, and daily operations for a Colombo-based bookshop. Delivered secure role-based access (Admin/Cashier), item & customer management, invoice generation, and an Admin analytics dashboard with Today / This Month / custom date filters showing sales, revenue, and stock movement summaries for quick decision-making.

Technologies: Java 17, JSP/Servlets (Tomcat 9), MySQL, JDBC/DAO.

Repo - <https://github.com/chamod419/pahana-edu-billing>

- **Developed a fully responsive, database-driven restaurant management web application.**

For “The Gallery Café” to enhance customer experience and streamline operations. Features include online table reservations, pre-order functionality, role based user management and a search system to filter menu items by cuisine. Integrated secure user authentication for Admin, Staff and Customers, with high-quality visuals for menus and promotions.

Technologies: HTML, CSS, JavaScript, PHP, MySQL

Repo - <https://github.com/chamod419/Restaurant-web-application.git>

- **Bakery Management System**

Developed a comprehensive C++ application to manage a bakery's inventory and customer interactions, featuring user authentication, item display, addition, search, and a dynamic shopping cart with a checkout process. Integrated real-time stock level checks during cart additions, ensuring accurate inventory updates.

Technologies: C++, iostream, string, fstream, iomanip, vector.

Repo - <https://github.com/chamod419/Bakery-Management-System.git>

PROFILE

I have a solid understanding of software development and programming and am an enthusiastic student of computing and software engineering. Currently investigating the domains of machine learning and artificial intelligence, including creating a chatbot driven by AI with LLMs. I can't wait to put my abilities to use in a stimulating internship, participate in creative projects, and acquire practical experience with AI-powered technologies. I am motivated to succeed in the ever changing tech sector and am a quick learner and team player.

CONTACT

+94 076-7691095

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ACCOUNTS

LinkedIn

<https://www.linkedin.com/in/chamod-madhusanka/>

GitHub

<https://github.com/chamod419>

HackerRank

<https://www.hackerrank.com/profile/chamodmadhusank1>

Portfolio

<https://chamod-madusanka.vercel.app/>

LANGUAGES

- HTML
- CSS
- C++
- Python
- PHP
- SQL
- Java
- JavaScript

FRAMEWORKS AND TECHNOLOGIES

- OOP
- MySQL
- React.js
- Node.js

PERSONAL SKILLS

- Logical and Analytical approach in solving problems
- Leadership
- Thinking out of the box
- Time management
- Good Communication
- Self-Learning

REFEREES



Kanchana Wimalasurendre

Senior lecturer ICBT Kandy Campus

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● Expense Track web application

Developed a project to accomplish a track application to maintain our expenses. The objectives was to build expense tracker which contains details of the individual and it will give some features like to download, upload receipt and checking categorization in the relevant budget of the user using income and the expense.

Technologies: HTML, CSS, JavaScript, Node.js

Repo - <https://github.com/chamod419/Expense-Track-web-application-.git>

● Dog Nutrition App

Developed a mobile application to help dog owners find and purchase high-quality dog food and access educational content on dog nutrition. The app features user authentication, profile management, a searchable product catalog with detailed descriptions and reviews, a shopping cart with real-time updates, and a dedicated section for nutrition guides tailored to different breeds and life stages.

Technologies used include Android Studio.

Repo - <https://github.com/chamod419/Dog-Nutrition-App.git>

CERTIFICATE



HackerRank Python Basic Certificate

show credential - <https://www.hackerrank.com/certificates/7ecdd68cdb6d>



University of Moratuwa Certificate Python Certificate

show credential - <https://open.uom.lk/lms/mod/customcert/view.php?id=838&downloadown=1>



University of Moratuwa Web Design for Beginners Certificate

show credential - <https://open.uom.lk/lms/mod/customcert/view.php?id=675&downloadown=1>

EDUCATION

Cardiff Metropolitan University, UK

● Bachelor's Degree in Software Engineering (Reading)

International College of Business & Technology (ICBT)

● Higher National Diploma (HND) in Computing and Software Engineering (2022 - 2024)

International College of Business & Technology, Kandy, Sri Lanka.

- Relevant Courses: Object-Oriented Programming, Database Systems, Web Development etc.
- Final Grade : Merit

Christ Church College, Matale

● G.C.E. Advanced Level Examination

- Appearance - Science Stream | 2023 |

● G.C.E. Advanced Ordinary Examination

- Successfully completed. | 2019 |