

---

# THAMINDU DASANAYAKE

## SOFTWARE ENGINEERING INTERN

+94 75 268 6699 | [thamindudasananayake@gmail.com](mailto:thamindudasananayake@gmail.com) | Kandy, Sri Lanka



<https://github.com/thamindu2003>



[www.linkedin.com/in/thamindu-dasanayake](https://www.linkedin.com/in/thamindu-dasanayake)



---

## PROFILE SUMMARY

As an aspiring software engineering intern, I am eager to embark on my first professional journey and seeking to learn from experienced engineers. I'm confident that with the right guidance and my eagerness to learn, I can make substantial contributions to your team's success.

---

## TECHNICAL SKILLS

Java, Python, HTML, CSS, JavaScript, SQL

---

## EDUCATION

### BENG (HONS) SOFTWARE ENGINEERING (READING)

2023 - Present

#### Informatics Institute of Technology (IIT) affiliated with University of Westminster

##### 2nd Year Reading Modules:

- Object Oriented Programming (87 marks)
- Database Systems (93 marks)
- Software Development Group Project (81 marks)
- Software Engineering Principles and Practice
- Machine Learning & Data Mining
- Algorithms: Theory, Design & Implementation

##### 1st Year Modules:

- Software Development I (94 marks)
- Mathematics for Computing (94 marks)
- Trends in Computer Science (75 marks)
- Computer Systems Fundamentals (98 marks)
- Software Development II (63 marks)
- Web Design and Development (75 marks)

### Foundation Certificate in Higher Education

2022 - 2023

#### Informatics Institute of Technology (IIT)

- Completed with a distinction

---

## PROJECTS

### GROUP PROJECTS

#### CERAFLAW (PYTHON, FLASK, YOLOV8, OPENCV, DART & FLUTTER)

Developed a computer vision application prototype partnering with Macktiles Sri Lanka. The project's objective was to create a machine learning model capable of detecting surface defects in ceramic tiles, leveraging YOLOv8 and OpenCV for the model, Python for backend, and Dart and Flutter for frontend. My primary responsibility was to implement object tracking and counting functionalities, ensuring the system could accurately identify and quantify defects in real-time. The project was a collaborative effort involving a team of 5, demonstrating my ability to contribute to a team-based project and manage my responsibilities effectively.

---

---

## INDIVIDUAL PROJECTS

### PORTFOLIO (HTML, CSS & JAVASCRIPT)

To create my portfolio, I utilized HTML, CSS, and JavaScript to create a dynamic and visually appealing web portfolio. This project showcases my skills in front-end development, demonstrating my ability to design and implement a user-friendly interface that effectively presents myself and my projects. Through this project, I honed my proficiency in these technologies, ensuring a responsive and engaging user experience.

### WEATHER APP (HTML, CSS & JAVASCRIPT)

I developed a weather application using HTML, CSS, and JavaScript. This application fetches and displays real-time weather data, showcasing my skills in creating dynamic web interfaces. I designed the UI with HTML and CSS for an engaging user experience and used JavaScript to fetch and display data from the OpenWeatherMap API, demonstrating my proficiency in front-end development and API integration.

### PRODUCT MANAGEMENT SYSTEM (JAVA & JAVA SWING)

I developed a Product Ordering System, that handled product orders, utilizing Java Swing for the frontend to enable users to place orders. The backend, developed in Java, managed all billing and stock operations. This project showcased my application of Object-Oriented Programming (OOP) concepts, including overloading, overriding, interfaces, abstract classes, and the use of child and parent classes, demonstrating my Java programming skills and ability to design and implement complex software solutions.

### QUEUE MANAGEMENT SYSTEM (JAVA)

I developed a queue management system using Java to manage customer queues for multiple cashiers. Additionally, I implemented bubble sort to alphabetically sort customer names and a circular queue for a waiting list. This project highlighted my Java programming skills and my ability to apply data structures and algorithms to solve practical problems.

---

## SOFT SKILLS

Decision Making, Time Management, Flexibility, Team Player, Adaptability

---

## EXTRACURRICULAR ACTIVITIES

- Member of global and IIT IEEE club (2023 - present)
- Member of IEEE Computer Society (2023 - present)
- Participated in IEEE Xtreme 17.0 held by IEEE in the year 2023
- Participated in Prologue X held by IIT in the year 2023
- Participated in Code Rally 4.0 held by IIT in the year 2023
- Participated in UOW Hackathon Problem solving International Hackathon 2024

---

## REFERENCES

Imani Randhuli  
Lecturer/Module Leader- Professional Development  
School of Computing, Informatics Institute of  
Technology  
Mobile: +94 761490885  
Email: imani.r@iit.ac.lk

Nethmi Wijesinghe  
Assistant Lecturer | Deputy Level Coordinator  
School of Computing, Informatics Institute of  
Technology  
Mobile: +94 769030880  
Email: nethmi.wi@iit.ac.lk

---