



# AMALSHA MADUNETHMI

Intern Software Engineer

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🌐 [Amalsha-Personal-portfolio/App](https://Amalsha-Personal-portfolio/App)

## Profiles

[in linkedin.com/in/Amalsha](https://www.linkedin.com/in/Amalsha)

[github.com/Amalsha](https://github.com/Amalsha)

## Summary

I am an undergraduate from the Faculty of Information Technology of University of Moratuwa, eager to grow by gaining practical experience in the software development world. I am passionate about IT solutions that can transform society by inspiring productivity while safeguarding privacy and wellbeing. As a creative and optimistic aspiring IT undergraduate, I have hands-on experience in NodeJS, ExpressJS, and Java. I am highly skilled at understanding key requirements and providing unique and creative solutions to meet customer needs.

## Skills

Programming	Backend	Frontend	Database	Other
Java	NodeJS	JavaScript	MySQL	Git / GitHub
Python	ExpressJS	TypeScript	MSSQL	REST API
C		React	MongoDB	Open AI
		NextJS		cPanel
		HTML		Figma
		Tailwind CSS		

## Education

**B.Sc. (Hons) in Information Technology** **2022 - Present**

UNIVERSITY OF MORATUWA

CGPA-3.41 (End of 4 Semesters)

**G.C.E. Advanced Level - 2020**

VISAKHA VIDYALAYA, COLOMBO 05.

Biology - A Physics - B Chemistry - B General English - A

## Projects

### • IKON Unified Project Workspace (Team)

Second-year software project

Role - Full Stack Developer

IKON Unified Project Workspace is a centralized platform that enhances collaboration and project management in digital marketing. As part of the team, I developed the Designer module and the Paid Media module of the system.

**Technologies:** Typescript, React, NodeJS, ExpressJS, MySQL

### • Smart Hire Portal | Full-Stack (Individual) (Ongoing)

Role - Full Stack Developer

I'm currently developing an AI-powered job hiring platform using the MERN stack. The site enables recruiters to post jobs and related questions, which outside users can view and answer. A fine-tuned AI model then analyzes the responses, categorizing them into good, moderate, or bad, and presents the results to the recruiter.

**Technologies:** TypeScript, React, NodeJS, ExpressJS, MongoDB, OpenAI, Python

- **Personal Portfolio Website (Individual)**

Role - Full Stack Developer

My personal portfolio web page is a s responsive static web page featuring smooth Framer Motion animations, with intergrated email functionality and CV download option.

**Technologies:** TypeScript, NextJS, Tailwind CSS

- **Automated Hydroponic Farming Chamber (Team)**

First-year hardware project

Developed a system to automate and optimize plant growth by integrating sensors and microcontrollers. It controls temperature, pH, and nutrient levels. I contributed by developing the temperature control system using sensors and cooling fans with an Atmega 32 microcontroller.

**Technologies** - C language, Atmel Studio, Proteus Simulation, EasyEDA, Atmega32, Sensors and Electronic components

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## Competitions

**Code Rush 2023** - Inter-Faculty Coding Competition- Participant

**MoraXtream 8.0 (2023)** - Programming Competition - Participant

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## Personal Skills

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|-----------------|-----------------------|-------------------|
| • Communication | • Presentation Skills | • Problem solving |
| • Leadership    | • Critical Thinking   | • Adaptability    |

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## Co - Curriculars

**Rotaract Club - University of Moratuwa**

Prestigious Spirit of Service award - 2023

Co - chairperson - project Congrego - 2023

Company coordination - Are You Ready 2023 flagship fair

**IEEE Student Branch - University of Moratuwa** - member

**SEDS Mora - University of Moratuwa** - member

**Astronomical Society - Visakha Vidyalaya** - Vice President

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## References

**Dr. Lochandaka Ranathunga**

Senior Lecturer, Faculty of Information Technology, University of Moratuwa.

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**Ms. K.A.D.N Nanayakkara**

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I hereby certify that the information above is true and accurate to the best of my knowledge.

**Amalsha Madunethmi**