



# UPEKSHA HERATH

SOFTWARE ENGINEER

## CONTACT

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## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

- Java
- JavaScript
- Python
- TypeScript
- C

### WEB & MOBILE DEVELOPMENT

- Spring boot
- Next.js
- Express.js
- React
- React Native
- Nest.js
- Tailwindcss
- HTML
- CSS

### DATABASE

- MSSQL
- MySQL
- MongoDB

### VERSION CONTROL

- Git

### OPERATING SYSTEMS

- Windows
- Ubuntu (Linux)

### CLOUD SERVICES

- AWS

## ABOUT ME

A passionate, enthusiastic, and skilled undergraduate who is committed to working smart to achieve goals and willing to take on any challenge. Moreover, a responsible team player with solid and friendly leadership qualities and a good team spirit who can adapt and focus on any productive targets.

## EDUCATION



University of Moratuwa- Faculty of Information Technology  
Reading for B.Sc. (Hons) Degree in Information Technology  
(Expected in 2025)

- Current GPA: 3.54 ( up to L3S2 )



Central College Kuliya  
GCE Advanced Level (2019)

- Z-Score 2.4114
- District Rank : 6th from Kurunegala District

## EXPERIENCE

[more info](#)

- Software Engineering Intern (full time) 2024 Jan-July
  - **Rootcode labs**
- Technical Writer (part time) 2021 - present
  - **Enlear**

## RESEARCH

Conducting a research on utilizing DAG-based blockchain to improve scalability and security in decentralized equity investment platforms. Proposed an identity-aware trading mechanism integrating KYC management with semi-fungible tokens to ensure regulatory compliance and enhance investor trust. (on going)

## PROJECTS

### Block Bridge - 2025

A blockchain based crypto currency sharing platform, with the core functionality to share any coin between any wallet.

- Hardhat, Ethereum, Ethers.js, Next.js, tailwind, Node.js

### SSI (Self Sovereign Identity) Wallet - 2023

A mobile wallet that can be used to store SSIs. This is the Second Year Software Project's my individually contributed part. The whole project is a blockchain-based vehicle ownership management system.

- React Native, Hyperledger Aries Cloud Agent Python (ACA-Py)

## PROJECT MANAGEMENT TOOLS

- Jira
- ClickUp

## GRAPHIC DESIGN

- PhotoShop
- Canva

## BLOCKCHAIN

- Ethereum
- Hardhat
- Solidity
- Metamask wallet
- Ethers.js

## OTHER

- Figma
- Docker
- Firebase
- GitHub Actions
- Strapi

## INTERPERSONAL SKILLS

- Communication
- Creativity
- Leadership
- Problem Solving

## CERTIFICATIONS

- [Available on my LinkedIn Page](#)

## LANGUAGES

- Sinhala (Native)
- English

## INTERESTS

- Blockchain
- AI
- Cricket
- Music

## NON RELATED REFEREES

**Dr. A.L.A.R.R. Thanuja**  
(B.Sc. (Sri Lanka), Ph.D.(USA)),  
Senior Lecturer  
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(B.Sc. UOM)  
Technical Lead @ Enlear  
AWS Community Builder (4X)  
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## Skill Hunt - 2025 (on going)

This is a job posting platform specially designed for tech related jobs.

Creating jobs, posting jobs, file saving

- Next.js, chadcn/ui, Express, MongoDB

## Scap - 2023

Worked in this product with in the internship period at Rootcode labs.

This is a complete HRM software developing as a product by company itself. Currently have put as a opensource code base.

- Spring boot, MySQL, Next.js, Zustand

## Hostel Management System - University of Moratuwa Welfair Division - 2023

Welfare Division plans to change the currently running Hostel Management System due to its outdated functionalities and new functional requirements.

- React, Node.js, MySQL

## Automated Camera Stand for Wild Life Photography - 2020 (Team leader)

In this project, we designed and built a camera stand for distance photography process to make sure it is safer and more effective. This project is a micro-controller-based project.

- C, Atmega 32 Microcontrollers, Atmel Studio, Proteus

[more projects](#)

## HACKATHONS

### REAL HACK 4.0 - 2023 [47<sup>th</sup> PLACE]

- An annual inter-university team coding hackathon organized by University of Kelaniya

### CODE RUSH (JULY | 2022) [6<sup>th</sup> PLACE]

- Organized by INTECS-UoM

### MORA UX PLORE 1.0

- Organized by IEEEESBUOM an inter-university team UI UX design competition organized by IEEE Student Branch of UOM

### ACES CODERS V9.0

- 12-hour hackathon organized by the University Of Peradeniya.

## EXTRACURRICULAR ACTIVITIES

- **Batch Representative** of batch 20, IT Faculty, University of Moratuwa. (2024 - Present)
- Committee Member at IT Faculty **Students' Union**, University of Moratuwa. (2022 - 2024)
- Member of Creative Design Pillar at **FIT Moments**. (2022 - 2024)
- Member of Faculty **Orchestra** at **FIT Tunes**. (2022 - Present)
- Exercised three years of leadership as the School **Debate Captain**, fostering effective communication, critical thinking, and team collaboration.
- Contributed to a debating competition organized by the **Leo Club** University of Moratuwa.
- Contributed as a company coordinator in Information System Associates at the **FIT CAREERS 2023**.