



KUMUTHU ATHUKORALA

COMPUTER SCIENCE AND ENGINEERING UNDERGRADUATE

CONTACT DETAILS

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📍 18/2, Biyagama

🌐 [Portfolio](#)

🐙 [Github](#)

🌐 [LinkedIn](#)

🎧 [Medium](#)

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- Python
- Java
- JavaScript
- Dart

WEB AND MOBILE DEVELOPMENT

- HTML
- CSS
- Flutter
- Node.js
- React
- Next.js
- SpringBoot
- Angular

DATABASE

- MySQL
- Weaviate
- Elasticsearch

OTHER

- Git
- Docker
- Object Oriented Programming

ABOUT ME

As an enthusiastic individual with strong analytical and interpersonal skills, I excel as a team worker and can collaborate effectively across all levels. Specializing in Web application development and Machine Learning, I'm eager to apply my theoretical knowledge in practice as a Software Engineer. Known for attention to detail and a results-driven ethos, I'm passionate about continuous learning and professional growth.

EDUCATION

B.SC. ENGINEERING IN COMPUTER SCIENCE & ENGINEERING UNIVERSITY OF MORATUWA

2020 – Present

Current GPA – 3.62

Dean's list in semesters 01 and 06

RATHNAVALI BALIKA VIDYALAYA, GAMPAHA 2010 – 2018

GCE A/L 2As and 1B Physical Stream including 'A' s for Chemistry and Combined Mathematics

- District Rank – 51
- Island Rank – 647
- Z score – 1.9456

GCE O/L 8As including 'A' s for Mathematics, English, Sinhala, Buddhism, Science and Technology, History, IT, Commerce and 'B' for English Literature

EXPERIENCES

TRAINEE SOFTWARE ENGINEER – CODEGEN INTERNATIONAL

RnD Team | January 2023 – June 2023

- Developed an information retrieval component to improve the question-answering capabilities of a chatbot for domain-specific information.
- Integrated the chatbot with the Instagram platform.
- Served as a full-stack developer.

Python | SpringBoot | Node.js | Weaviate | Retrieval Augmented Generation

VISITING INSTRUCTOR – UNIVERSITY OF MORATUWA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
2023 – Present

Assisting in

- Semester 1: Programming Fundamentals,
- Semester 4: Communication Skills modules

ACHIEVEMENTS

- 2021 Google Code Jam to I/O for Women
Country rank - 7th
- 2022 IEEEExtreme 16.0
- 2015 Australian National Chemistry Quiz
Merit
- 2013 Junior National Astronomy
Olympiad Competition
Bronze

CERTIFICATES

The Complete Flutter Development
Bootcamp with Dart by Udemy

[See the credentials](#)

Ethereum and Solidity: The Complete
Developer's Guide by Udemy

[See the credentials](#)

Python Data Structures by University of
Michigan

[See the credentials](#)

Introduction to Cybersecurity by Cisco

[See the credentials](#)

LANGUAGE SKILLS

- Sinhala - Native
- English - Professional Proficiency

REFERENCES

- DR. SURANGIKA RANATHUNGA
Senior Lecturer,
Department of Computer Science &
Engineering, University of Moratuwa
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- MR. DULANJAYA TENNEKOON
Technical Team Lead,
CodeGen International Pvt. Ltd.
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PROJECTS

RECIPE PERSONALIZATION THROUGH INGREDIENT SUBSTITUTION USING LLMS (ONGOING)

Final year project focused on enhancing recipe adaptability through ingredient substitution using LLAMA 2 and Mistral 7B large language models.

- Retrieval Augmented Generation (RAG) | Llama2 | Mistral | Weaviate |

EXCLUSIVES - NFT MARKETPLACE

An NFT marketplace for NFTs on the Ethereum blockchain which allows users to mint and sell NFTs at a fixed price or a timed auction.

- Technologies: Next.js, MySQL,

SINHALA METAPHOR SEARCH APPLICATION

A search engine for Metaphors in Sinhala poems

- Technologies: React, Node.js, Express, Elasticsearch

UMISF - UNIVERSITY OF MORATUWA

The official web application for UMISF (University of Moratuwa Inter Shuttlers Festival) is used to manage all the registrations, ongoing match results and umpiring.

- Technologies: React, Node.js, Mongo DB

STREAMIX: DASH Compliant Video Streaming System

The project is a dash video streaming system. Android app is used to capture the video and upload it to the centralized server. Anyone connected to the server can watch the uploaded videos with different qualities.

- Technologies: Java, Node.JS, MongoDB, FFmpeg

COVID DETAILS HANDLING SYSTEM

A system where all the hospitals in the country can access the COVID-19 details of any citizen.

- Technologies: HTML, CSS, PHP, MySQL

BLOOD BANK MANAGEMENT SYSTEM

A system for the National Blood Bank to display the availability of blood and blood donation campaigns throughout the country.

Contribution: Back-end development

- Technologies: React, Node.js, MySQL

EXTRA CURRICULAR ACTIVITIES

AIESEC IN UNIVERSITY OF MORATUWA (2020 - 2022)

- President for Overhaul3.0
- Vice President for PyCon Sri Lanka 2022, ThinkWave 4.0
- Nominated for the Best Performing Young Leader Award of 2022
- Best performing oGT Member of the Year 2022

ROTARACT CLUB OF UNIVERSITY OF MORATUWA (2021)

- Co-chair of MentHer 2021
- Gold Award for the most outstanding Professional Development Initiative of the year in Rotaract District 3220.

RATHNAVALI BALIKA VIDYALAYA, GAMPAHA

- Secretary of Science Society (16/17)
- Secretary of Junior Science Society (2015)
- Senior and Junior prefect