



SATHIRA LIYANAPATHIRANA

COMPUTER SCIENCE AND ENGINEERING UNDERGRADUATE

CONTACT DETAILS

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Gothathuwa new town, Angoda.

🌐 [Portfolio](#)

🐙 [Github](#)

📖 [Medium](#)

🌐 [Linkedin](#)

PROFESSIONAL SKILLS

PROGRAMMING LANGUAGES

- Java
- Python
- JavaScript
- Dart
- PHP

MOBILE AND WEB DEVELOPMENT

- HTML
- CSS
- Bootstrap
- Flutter
- Node.js
- React.js
- Springboot

DATABASE

- MySQL
- PostgreSQL
- MongoDB

OTHER

- Git
- Object Oriented Programming
- Docker
- AWS (EC2 | ECS)

ABOUT ME

I'm an enthusiastic individual with good analytical and interpersonal skills. Also, I am an excellent team worker and I am able to take instructions from all levels and build up good working relationships with all colleagues. I have special interest in Web and Mobile applications development, and currently seeking an opportunity as a Software Engineer to gain knowledge and experience by applying theories into practice.

EDUCATION

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT, UNIVERSITY OF MORATUWA.

2019 - Present

CGPA - 3.66

Dean's List: Semester 1 and Semester 2

ANANDA COLLEGE, COLOMBO 10.

2004 - 2018

- GCE A/L 3As Physical Stream including 'A' s for Physics, Chemistry and Combined Mathematics
 - District Rank - 120
 - Island Rank - 360
 - Z score - 2.0874
- GCE O/L 9As including 'A' s for Mathematics, English, Sinhala, Buddhism, Science and Technology, History, Eastern Music, Business studies, and Health Science

EXPERIENCES

INTERN - SOFTWARE ENGINEERING | MAD MOBILE

2023 January - 2023 July

Tasks:

- Learned restaurant and retail industry related technologies
- Worked in implementation of CAKE POS Loyalty feature
- Learned and applied MDC logging concepts
- Set up Graylog connection with multiple APIs
- Migrated a Legacy EC2 API to ECS task - Individual Project

Technologies:

Springboot | Express.js | Restify | AWS | Git | MongoDB | MySQL

VISITING INSTRUCTOR | COMPUTER SCIENCE AND ENGINEERING DEPARTMENT, UNIVERSITY OF MORATUWA

2023 July - Present

Assisting in Semester 1 : Python Programming and Semester 3 :
Operating Systems modules

ACHIEVEMENTS

- **MICROSOFT LEARN STUDENT AMBASSADOR**

[See the credentials](#)

DIPLOMAS & CERTIFICATES

- **JAVA COMPLETE BEGINNER TO ADVANCED PROGRAMMING COURSE OFFERED BY UDEMY**

[See the credentials](#)

- **PYTHON FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE DEVELOPMENT OFFERED BY COURSERA (IBM)**

[See the credentials](#)

- **PHP FOR BEGINNERS 2022: THE COMPLETE PHP MYSQL PDO COURSE**

[See the credentials](#)

- **SPRINGBOOT ESSENTIAL TRAINING 2.0 OFFERED BY LINKEDIN LEARNING**

[See the credentials](#)

- **BUILDING COMPUTER VISION APPLICATIONS OFFERED BY LINKEDIN LEARNING**

[See the credentials](#)

- **DIPLOMA IN ENGLISH**

Royal Institute, Colombo (2019)

LANGUAGE SKILLS

- Sinhala – Native/Bilingual
- English – Professional Proficiency

REFERENCES

PROF. SULOCHANA SOORIYARACHCHI

Senior Lecturer
Department of Computer Science and Engineering, University of Moratuwa

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+94(77) 669 1011

MR. ISURU MOHOTTALA

Associate Software Architect,
Sysco Labs

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PROJECTS

GROUND SEGMENTATION USING MULTI MODAL SENSOR (ONGOING)

Ongoing Final Year Project that aims to develop a robust and efficient method for segmenting ground areas from 3D point cloud data from Lidar sensor, leveraging multiple sensors to enhance the perception ability.

SINHALA METAPHOR SEARCH ENGINE [\(GITHUB REPO\)](#)

This is an innovative application that aims to provide a user friendly metaphor search engine based on Sinhala poems.

- Backend – Express.js
- Frontend – React.js
- Other – Kibana / Elastic Search

DIETARY : MOBILE / WEB DIET CONSULTANT [\(GITHUB ORGANIZATION\)](#)

Mobile and Web application which users can receive online diet plans based on the information provided.

- Backend – Dart / Express.js
- Frontend – Flutter / React.js
- Database – PostgreSQL

SAFE TRANSIT: PUBLIC TRANSPORTATION HANDLING SYSTEM [\(GITHUB REPO\)](#)

This application allows the works of essential services to allocate their public transit method for a given institute during a pandemic situation.

- Backend – PHP / JavaScript
- Frontend – HTML / CSS3 / Bootstrap
- Database – MySQL

AIRLINE RESERVATION SYSTEM [\(GITHUB REPO\)](#)

Handles all the key features and operations of a model airline.

- Backend – PHP / JavaScript
- Frontend – HTML / CSS3 / Bootstrap
- Database – MySQL

VEHICLE COLLISION WARNING SYSTEM [\(GITHUB REPO\)](#)

This system processes dash cam video feeds, predicts vehicle movements, allows users to designate danger zones, and generates warnings if a vehicle is expected to reach the danger zone within the next 2 seconds.

- Technologies – Python (Yolov4, OpenCV)

STUDENTS' REQUEST MANAGEMENT SYSTEM [\(GITHUB REPO\)](#)

Communication Management System between undergraduates and academic staff on their academic matters during the Covid-19 pandemic

- Backend – PHP / JavaScript
- Frontend – HTML / CSS3
- Database – MySQL

EXTRA-CURRICULAR ACTIVITIES

DIRECTOR OF MEMBERSHIP DEVELOPMENT AVENUE, RACUOM & RACAUOM

- Rotaract club of University of Moratuwa (2021–22) and Rotaract club of Alumni of University of Moratuwa (2023–24)
- Most Outstanding Overall Membership Development and Retention effort award – Rotaract District Assembly 2022

PRESIDENT OF THE QUIZ CLUB OF ANANDA COLLEGE

- Won 15+ Inter school and All island quiz competitions and been a member of the school's senior quiz team for consecutive 4 years. (2012–16)
- Organized 'Mind Probe' Inter school quizzing competition with participation of 60 schools (2015)

SECRETARY OF OAEG STUDENT CHAPTER

- Old Anandians' Engineering Guild student's chapter
- 2019 – 2020 (Executive Committee Member)
- 2023 – Present (Secretary)