SATHIRA LIYANAPATHIRANA

SOFTWARE ENGINEER | COMPUTER SCIENCE AND ENGINEERING GRADUATE FROM UNIVERSITY OF MORATUWA | ACTIVE VOLUNTEER | PASSIONATE GAMER

CONTACT DETAILS

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📍 79/E Kotikawatta road, Gothathuwa new town, Angoda.

⬤ *Github*

Ⓜ *Medium*

in *Linkedin*

🌐 *Portfolio*

PROFESSIONAL SKILLS

PROGRAMMING LANGUAGES
- Java
- Python
- JavaScript

MOBILE AND WEB DEVELOPMENT
- HTML
- CSS
- Bootstrap
- Flutter
- Node.js
- React.js
- Springboot

DATABASE
- MySQL
- PostgreSQL
- MongoDb

OTHER
- Git
- Docker
- AWS

ABOUT ME

I'm an enthusiastic individual with strong analytical and interpersonal skills. I excel as a team player, capable of taking instructions at all levels and fostering positive working relationships with colleagues. I have a special interest in Web and Mobile application development and am eager to gain knowledge and experience by applying theories into practice.

EXPERIENCES

SOFTWARE ENGINEER | SYSCO LABS
2024 June – Present

- Tasks:
    - Contributing to an enterprise invoice handling team at Sysco Labs, optimizing financial operations.
- Technologies: Springboot | Kafka | AWS | PostgreSQL

VISITING INSTRUCTOR | COMPUTER SCIENCE AND ENGINEERING DEPARTMENT, UNIVERSITY OF MORATUWA
2023 July – 2024 June

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

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
- Technologies: Springboot | Express.js | AWS | Git | MongoDB | MySQL

EDUCATION

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT, UNIVERSITY OF MORATUWA.
2019 December - 2024 July

- B.Sc. Engineering Honours specialized in Computer Science and Engineering
- Second Class - Upper Division (GPA – 3.65 | Dean's List: Semester 1 and Semester 2)

ANANDA COLLEGE, COLOMBO 10.
2004 January - 2018 September

- GCE A/L 3As (2018) 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 (2014)

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

sulochanas@cse.mrt.ac.lk
+94(77) 669 1011

MR. ISURU MOHOTTALA

Associate Software Architect,
Sysco Labs

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PROJECTS

GROUND SEGMENTATION USING LIDAR SENSOR
Final Year Project that aimed to Improve semantic segmentation of LiDAR point clouds with innovative ellipsoidal windowing, achieving 62.84% mIoU surpassing SphereFormer's original performance on SemanticKITTI.

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' Enginering Guild student's chapter
- 2019 - 2020 (Executive Commitee Member)
- 2023 - Present (Secretary)