SATHIRA LIYANAPATHIRANA

COMPUTER SCIENCE AND ENGINEERING UNDERGRADUATE

CONTACT DETAILS

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

🌐 *Portfolio*

⊙ *Github*

Ⓜ *Medium*

in *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
  ○ AWS

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.

PROFESSIONAL EXPERIENCE

● **INTERN – SOFTWARE ENGINEERING | MAD MOBILE**
2023 January – 2023 July

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

Technologies:
Springboot | Express.js | Restify | AWS | Git

● **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

EDUCATION BACKGROUND

● **COMPUTER SCIENCE AND ENGINEERING DEPARTMENT, UNIVERSITY OF MORATUWA.**
2019 - Present

CGPA – 3.653
Dean's List: Semester 1 and Semester 2

● **ANANDA COLLEGE, COLOMBO 10.**
2004 - 2017

- 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

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

- **APPRECIATION FOR BEING SPIRIT OF SERVICE MEMBER OF ROTARACT MORA**

  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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EXTRA-CURRICULAR ACTIVITIES

DIRECTOR OF MEMBERSHIP DEVELOPMENT AVENUE, RACUOM & RACAUOM
- Rotaract club of University of Moratuwa and Rotaract club of Alumni of University of Moratuwa
- 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.
- Organized 'Mind Probe' Inter school quizzing competition with participation of 60 schools

SECRETARY OF OAEG STUDENT CHAPTER
- Old Anandians' Enginering Guild student's chapter
- 2019 - 2020 (Executive Commitee Member)
- 2023 - Present (Secretary)

ORGANIZING PILAR MEMBER, ACM
- University of Moratuwa Branch of Association of Computer Machinery
- 2021-2022

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

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