

DESHAN LAKSHITHA

COMPUTER SCIENCE AND ENGINEERING
UNDERGRADUATE



- +94769057267
- deshanlakshithawickramasinghe@gmail.com
- 36/9, New Lane, Makuluwa, Galle.
- deshan-lakshitha
- Deshan-Lakshitha
- <https://portfolio-deshan.vercel.app>

EDUCATION

B. Sc. Engineering (Hons)

- Department of Computer Science and Engineering, University of Moratuwa (2020 - Present)
- Expecting to graduate in 2024
- CGPA of 3.59 (Upto Semester 6)

GCE A/L Examination

- Richmond College Galle (2016 -2018)
- Three 'A' passes for Combined Mathematics, Chemistry, and General English, and one 'B' pass for Physics.
- District Rank: 48, Island Rank: 428
- Z-Score: 2.0472

GCE O/L Examination

- All Saints' College Galle (2005 -2015)
- Eight 'A' passes for Mathematics, Science, Sinhalese, English, History, Buddhism, Business Studies and Accounting, ICT
- One 'B' pass for Appreciation of English Literary Texts.

LANGUAGES

- Sinhala - Native
- English - Professional working proficiency

PROFILE

"A hard-working computer science and engineering undergraduate with a strong intention to explore new trends to move forward as a full-stack software engineer. Always try to learn something new and loves to work collaboratively as a team"

EXPERIENCE

INDUSTRY EXPERIENCE :

Software Engineer Intern - GTN Technologies (Pvt) Ltd

- 2023 January - 2023 July
- Main project - Trade API Development
- Got familiarized with Spring Boot & Angular frameworks
- Redesigned the UI of the frontend portal
- Implemented backend functionalities
- Developed a GraphQL wrapper for the backend requests
- Performed backend testing and implemented an integration testing framework using REST Assured
- Got familiarized with message brokers and web socket communication
- Performed API Documentation using Stoplight Studio

PROJECTS :

Brain Tumour Segmentation Using Self-supervised Learning

- Final year research project (2023 June - Present)
- Accurate brain tumour segmentation is a crucial task with limited labelled data. So we propose a self-supervised brain tumor segmentation model with explainability to ensure proper interpretation of the model's decisions in the healthcare domain.
- The current approach uses a 3D-Unet architecture with an encoder pre-trained with self-supervised learning and two decoders for a better and smoother segmentation task.
- Technology Stack:
Python with Keras and TensorFlow

Flower Exchange Project

- 2023 December
- A flower exchange application which processes the incoming order against existing orders in the order container (known as Order Book) and performs a full or partial execution
- Technology Stack: C++ with OOP concepts

TECHNICAL SKILLS

Programming Languages:

- Java
- Python
- PHP
- JavaScript

Programming Concepts:

- Object Oriented Programming (OOP)

Web:

- HTML5, CSS, Bootstrap, MaterialUI

Frameworks:

- Spring Boot
- React.js
- Node.js
- Angular.js

Databases:

- MySQL
- MongoDB
- PostgreSQL

EXTRA - CURRICULAR ACTIVITIES

CLUBS AND ORGANIZATIONS :

MoraSpirit

Assistant Head - Editorial Pillar

- 2022 May - 2023 April

Member - Editorial Pillar

- 2020 January - 2022 May

EXMO 2023

Deputy Head - Marketing Committee

REFERENCES

Prof. Dulani Meedeniya

Department of Computer Science and Engineering

Faculty of Engineering

University of Moratuwa

Sri Lanka

Email: dulanim@cse.mrt.ac.lk

Phone: +94713935801

Mr. Mahesh Pathirana

Senior Software Engineer

GTN Technologies (Pvt) Ltd

Email: p.mahesh@gtngroup.com

Phone: +94710507758

FuelQ

- 2022 July - 2022 November
- A token issuer and queue management system for fuel distribution.
- Involved in full-stack development
- Technology Stack:
Node.js with Express
MongoDB database
React.js with Material UI library

Parkinson's Disease Detection System

- 2022 April - 2022 July
- A machine learning-based testing system to diagnose Parkinson's disease among the community, and manage reports and recovery progress of the patients.
- Contributed to front-end and backend
- Technology Stack:
Node.js with Express framework
MySQL database with Prisma ORM
ML Rest API server
React.js with React-Bootstrap

HRMS

- 2022 April - 2022 July
- A Human Resource Management System developed for an apparel company. Consists of three modules as Personal Information Management (PIM), Absence Management and the Report Generation.
- Contributed in full-stack development
- Technology Stack:
PHP, MySQL, HTML, CSS, Bootstrap, JavaScript

Online Fresh Market

- 2021 September - 2021 December
- A home delivery system where people can order agricultural products like vegetables and fruits to their doorsteps.
- Contributed in full-stack development
- Technology Stack:
PHP, MySQL, HTML, CSS, Bootstrap, JavaScript

ACHIEVEMENTS

- Java (Basic) Certificate - HackerRank - 2023 Dec (Ref: **5a3b6d162b86**)
- Python (Basic) Certificate - HackerRank - 2022 Oct (Ref: **7738cbaef28b**)
- SQL (Basic) Certificate - HackerRank - 2022 Oct (Ref: **042fcf5954e1**)
- AWS Cloud Technical Essentials Certificate - Coursera - 2023 (Ref: **45fd296d97566582556c1b696894750a**)
- MoraXtreme 6.0 (2021) - 70th place

SOFT SKILLS

- Attitude and willingness to learn
- Team work and communication
- Effective time management
- Adaptability