



MADHUKA DILSHAN

Cloud Computing
Undergraduate

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About me

As a final year undergraduate pursuing a degree in Cloud Computing, I am highly motivated and dedicated to learning and applying the latest cloud technologies. With a passion for DevOps, I am seeking a DevOps internship to further develop my skills and gain practical experience in the field. I am excited to contribute my knowledge and collaborate with others to help drive innovation in the cloud industry.

Skills

Technical Skills

Languages

Python, Golang, HTML, CSS, Js

Tools & Technologies

Docker, Kubernetes, Terraform, Git, GitLab

Cloud Platforms

AWS

Databases

MySQL, SQLite

IDEs

VS Code, Atom



Education

2020 - 2024

BSc (Hons) in Cloud Computing

SLTC Research University

2022

AWS re/start

CurveUP

2019-2020

Assured Diploma in Information Technology and English

Esoft Metro College

2010 - 2019

Secondary Education (GCE O/L & A/L)

President's College - Embilipitiya



Projects

Automatic Question Generator over a Knowledge Base through Learning Outcomes and Competency Levels (Ongoing FYP)

Concept - An AI-powered, NLP-based system to generate a set of questions automatically through user inputs (Learning outcomes & competency levels).

Mobo IT - A mobile app for university's IT faculty

Concept - A mobile app to manage academic activities for students and staff.

Tools & Technologies - Android Studio, Java, Firebase, Figma, Adobe Photoshop

Techzette - A cloud-based web application

Concept - A virtual platform where users can reach tech companies in Sri Lanka and build PCs through a single virtual platform.

Tools & Technologies - HTML, Tailwind CSS, Js, Firebase, Flask, Heroku

Smart Parking - IOT based smart vehicle parking system

Concept - A smart vehicle parking system where users can book a parking slot prior to their arrival through the Smart Parking mobile app. Through the app, users can see the free slots and booked slots.

Tools & Technologies - Android studio, Java, Firebase, Figma, Arduino, Sensors

Online Pharmacy Hub - A mobile app & a cloud-based web app

Concept - One virtual platform for users to search for their favorite online pharmacy to buy medicines and nearest pharmacy to send their medical prescriptions and order them

Tools & Technologies - HTML, CSS, Python, Android studio, Java, Firebase, Digital Ocean



Achievements & Participations

Participation - Hacktitude 2022

Participation - Codemania v1.0 2021

Delegate - IEEE CS SYP Global Congress 2021

Participation - Innovmind 2021

Participation - MS Champs September meetup 2021

Non-technical Skills

Communication
Team work
Time management
Project management
Presentation
Self-directed learning

Interested Areas

DevOps
DevSecOps
GitOps
CI/CD processes
Containerization & orchestration
Cloud Platforms (AWS & Azure)
Blockchain
Infrastructure as Code
Video Gaming

Reference

Dr. Dileepa Fernando

Post Doctoral Research Fellow - HP -
NTU - Corporate Lab, Singapore

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Ms. K. Lakshmi Lashini

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Courses & Certifications

IBM Applied DevOps Engineering Professional Certificate

Coursera (Following)

AWS Certified: Cloud Practitioner Foundational (CLF-C01)

AWS

Terraform for Beginners

KodeKloud

AWS Academy Cloud Foundations

AWS Academy

Oracle Cloud Infrastructure Foundations 2021 Certified Associate

Oracle

Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure

Coursera

Python (Basics)

HackerRank



Extra Curricular Activities & Volunteering Experience

Marketing Manager - Outgoing Global Talent (2022 - 2023)

AIIESEC in SLTC Research University

Deputy Head - PR & Publicity Committee (2021 - 2022)

IEEE SB of SLTC Research University

- **Deputy Head - Technical Team**
Hacktron v1.0 by IEEE CS SBC of SLTC Research University
A project consists of a 10-day bootcamp and a Hackathon in the concept of Game Development in collaborating with 99x, Virtusa, Arimac, Prodigy Interactive & Ram Studios.
- **Deputy Head - Technical Team**
Month of CodeGeniX by IEEE CS SBC of SLTC Research University
A series of interconnecting programs as a panel discussion, 4-day webinar series on Python, One-day webinar on Machine learning & 12-hour coding competition.
- **Assistant Treasurer - Financial Team**
Abstract Spot ny IEEE SB of SLTC Research University
A project consists of a one-day webinar on "How to write an abstract" and an abstract writing competition.

Deputy Head - Program Committee (2021 - 2022)

SLTC Green Army

- **Team Lead - Program Team**
Ecolympiad by SLTC Green Army
An online competition series to showcase the collaboration between the humanity and nature through art, literature, music and photography.