# SACHINI DISSANAYAKA

📍 Puttalam Rd, Anamaduwa, LK

📞 (+94) 71 796 0499

✉️ sachinidissanayaka269@gmail.com

🌐 Sachini-Dissanayaka.github.io

in linkedin.com/in/sachini-dissanayaka

github.com/Sachini-Dissanayaka

## TECHNICAL EXPOSURE

**Programming Languages**
Java, Python, Javascript, Dart, HTML, PHP

**Full-stack Development**
Angular, React.js, Node.js, Flask, Spring Boot, MongoDB, MySQL

**Mobile Development**
Java, Android SDK, Flutter

**Cloud Technologies**
Firebase, Google Cloud Platform

**Machine Learning**
Jupyter notebook, NumPy, Pandas, Scikit-learn, PyTorch, BeautifulSoup Tensorflow, Matplotlib

**Other**
Git, Bitbucket, Jira, Postman. Apache Tomcat, Maven, Elasticsearch

## ACHIEVEMENTS

**IEEE Xtreme 2021**
Country Rank - 18

**MoraXtreme 6.0**
Rank - 15

**IEEE YESIST12: Hackathon**
Ranked 4th in the Preliminary Selection Competition Sri Lanka 2019 and got selected for the finals in Stamford University in Thailand

**HomeAlone: Virtual Mini-Hackothon**
Island Rank - 15

## PERSONAL PROFILE

I'm a passionate programmer and a problem solver interested in building creative things and seeing people enjoy them. I'm interested in machine learning, full-stack development, and mobile development. Currently, as a fresh graduate, I'm looking for a great team to say hello to my future as a software engineer.

## EDUCATION

**BSc Eng Hons (UG)**   2018 - 2022
**Department of Computer Science & Engineering University of Moratuwa**
Current GPA 3.53

**G.C.E Advanced Level Examination**   2008 - 2016
**Pu/Anamaduwa Central College**
3A's | District Rank - 01 | Z-Score - 2.3770

**HUAWEI Student Developers (HSD)**   2021
**HMS Foundation Certification**

**Diploma in Information Technology with E-Commerce**   2017
**ESOFT Metro Campus**

**Diploma in Information Technology**   2017
**Universal Computer & Accounting Technologies**

## EXPERIENCE

**Software Engineering  Intern - Emojot (Pvt) Ltd**
Oct 2020 - May 2021 (8 months)

Emojot is a global pioneer in real-time, emotion-based, intelligent experience management.
- Have implemented a Multi-Factor authentication system for Emojot Dashboard and Customer Experience Management Portal.
- Have improved user operation management and restricted user actions based on authorization levels

## CERTIFICATIONS

**Neural Networks and Deep Learning Specialization Course Completion**
Certificate - Deeplearning.ai
Offered by Coursera

**MATLAB Course Completion Certificate**
Offered by MATLAB Onramp

**AWS Fundamental: Google Cloud Native Course Completion Certificate**
Offered by Coursera

**AWS Machine Learning Fundamental Course**
Offered by AWS Academy (Reading)

# EXTRA-CURRICULAR ACTIVITIES

### Batch Representative
Department of Computer Science & Engineering, University of Moratuwa
2021 - Present

### IT Panelist
UoM Leo Club, University of Moratuwa
2020 - 2021

### Article Writer
MoraSpirit, University of Moratuwa
2019 - 2021

### Volunteer
UoM Leo Club, University of Moratuwa
Chairman - "Mini-Miracles project 2019"
2019 - 2021

### School Senior Prefect
Pu/Anamaduwa Central College
2014 - 2016

### School Junior Prefect
Pu/Anamaduwa Central College
2010- 2013

# REFEREES

Dr. Uthayasanker Thayasiam
PhD (U. Georgia), BSc Eng. (Hons) (Moratuwa)
Senior Lecturer
Department of Computer Science and Engineering
University of Moratuwa
Mail - rtuthaya@cse.mrt.ac.lk

Mr. Andun Liyanagunawardana
Bsc Eng Hons(Moratuwa), AMIE(SL), MCS(SL)
General Secretary - CS&ES
Co-Founder and Engineering Director
Mail - andun@emojot.com
(+94) 772019246

# PROJECTS

## Hybrid-Attention End-to-End Speaker Diarization
### Final Year Project (Ongoing)
(Deep Learning, PyTorch, Python, GCP)

This was based on the implementation of the state-of-the-art model for 2 speaker overlapping speech diarization by reducing the Diarization Error Rate (DER). Our proposed model is to modify the current state-of-the-art model by adding three more additional layers, which are LDSA, Convolutional Subsampling, and SpecAugment layers.

## Search Engine Politicians - Sinhala  Source Code
(Python, Flask, React.js, BeautifulSoup, Elasticsearch, Kibana)

This is an information retrieval system that can be used to query and get any type of data about Sinhala Politicians. The dataset of the project was scrapped using BeautifulSoup and the project was implemented using Python, React.js, and supported by a python-Flask powered backend. I have used Elasticsearch for indexing and querying.

## Distributed Chat System  Source Code
(Java)

This group project is about creating a distributed chat application. The system consists of two main distributed components: chat servers and chat clients, which can run on different hosts. I have implemented all the functions for one server (create, join, delete, quit, etc.) and implemented the Heartbeat algorithm using gossiping and consensus for failure detection.

## DrivenData | Pump-It-Up  Source Code
(Python, Jupyter Notebook)

Python solution for Pump-It-Up, DrivenData machine learning competition. I was within 4% of the global participant results in this competition.

## Kritify  Source Code
(Android Studio, Java, Spring Boot)

This is a social media mobile app that hosts all your reviews about business entities in one place. This is an Android app integrated with HMS core. I have implemented the functionalities for Huawei Account Kit, post creation, and point reviewing for each visited place.

## TravelME  Source Code
(Flutter, Dart)

An "Online tour planning platform" that can be used for planning a tour and the mobile application frontend was implemented by me using Flutter.

## SmartShopping | Supply Chain Management Platform  Source Code
(Symphony, CSS, PHP, JavaScript)

Designed, implemented, and demonstrated a "Smart Shopping" web-based application using Symphony framework and administration part of the project was implemented by me.

# PUBLICATIONS

## Implementation of Two-Factor Authentication with TOTP using Speakeasy  Article Link

## Integration of Huawei Account Kit ( In Kritify Application)  Article Link