



Chamodi Lokuge

SOFTWARE ENGINEER

ABOUT ME

Passionate, responsible, tech-savvy fresh graduate highly motivated to achieve perfection with fast learning and developing new skills. Excited to blend the experience with hands-on in a software engineering role while exploring new technologies.

REACH ME AT

- ✉ chamodilokuge@gmail.com
- ☎ +94 76 807 0268
- 📍 226/1, Bothale Pahalagama, Ambepussa.
- in www.linkedin.com/in/chamlokuge
- 🐙 <https://github.com/chamlokuge>
- 📄 https://www.researchgate.net/profile/Chamodi_Lokuge

TECHNICAL EXPOSURE

Programming Languages: Java, C, JavaScript, Typescript

Web Development: Node Js, Express Js, React Js, HTML, CSS, Bootstrap

Mobile Development: Ionic framework

Databases: MongoDB, MYSQL, MSSQL

Version Control Systems: Git

QA: Selenium, TestNG

Other tools: Adobe XD, CISCO Packet Tracer, Prototipe

Other skills: Team Player, Leadership, Team Management, UI Design

EDUCATION

Bachelor of Science (Hons.) in Information Technology

University of Moratuwa - Faculty of Information Technology

CGPA : 3.66 (at the end of 6 semesters)

Accomplishments : Dean's List Honors in 3 out of 5 GPA semesters.

Level 1 Semester 1 SGPA: 3.99

Level 1 Semester 2 SGPA: 4.01

Level 3 Semester 1 SGPA: 3.84

St. Joseph's Girls' College, Kegalle.

G.C.E. Advanced Level: Bio Science Stream (2015) - 1A and 2B passes

G.C.E. Ordinary Level: Completed in English Medium Stream

WORK EXPERIENCE

WSO2

Aug 2019 - Feb 2020

Palm Grove, Colombo 03, Sri Lanka.

I worked as a **Software Engineering Trainee** in the Research Engineering Team at WSO2. I mainly explored the areas of Blockchain and backend development during my internship.

PROJECTS

Blockchain-based Health Service in Hyperledger Fabric (Individual)

The system is designed in a way to provide the users the control over their health data. It can store the records of the patients in the ledger after encrypting them with the patient's public key, update records and view records after decrypting the records at the patient's end. The blockchain helps to exchange a key between the physician and the patient. The physician is able to add and view health records of the patient only upon the patient's permission.

Technology stack: Hyperledger fabric 1.4.3, Ballerina 1.0, Nodejs, Docker

Smart Digital Personal Fitness Trainer

2020 - Present

University of Moratuwa

This application covers the three major areas related to personal training i.e. personal meal plan recommendation, pose deviation identification and prevention of over exhaustion to assist users to achieve their fitness goals which otherwise would have required the assistance of a qualified professional personal trainer. Personalized meal plan recommendation module is being developed by me to assist users to plan their meals by taking the user's physiological data, personal food preference and engagement of physical activities into consideration.

Technologies used: Machine learning, Recommender systems, React Native

Social Media Solution for Businesses (Individual Project)

2020 - Present

This is a social media platform for businesses to create a profile/ portfolio, share posts and to get help from other professionals. This allows the registered users to view, comment and like on other users' posts. The application consists of a web application, an admin dashboard and a backend.

Project: https://github.com/chamlokuge/Social_Media_Solution

Technology stack: React JS, Node JS, Express JS, Mongo DB

vTour

2017 - 2018

Mentored by Technology at Virtusa

A web and mobile platform for small and medium scale travel companies to plan itineraries for their clients in an efficient way. The application also works in collaboration with service providers to help travel agents and clients to manage and schedule the itineraries.

Technology stack: Ionic framework, MEAN stack

AWARDS & ACHIEVEMENTS

Haxmas 2020 - 1st Runner Up

An inter-university ideathon organized by Information Institute of Technology.

SLITT Codefest 2018 - Finalist

An inter- university Designathon organized by SLITT.

Haxmas 2019 - Finalist

An inter- university hackathon organized by Information Institute of Technology.

FIT CODERUSH 2018 - Top 20

An algorithmic competition organized by the University of Moratuwa.

Ceylon WordPress Academy

Ceylon WordPress Academy Certified Professional (CWACP) Web Designer.

Higher Level Certificate Course

Distinction Pass in higher level certificate course by the University of Colombo.

LANGUAGES

Sinhala (Native)

English (Professional Proficiency)

PERSONAL INTERESTS



Stand-up comedy



Psychology



Volunteering



Cats and Dogs Lover

PROJECTS

Automated Ayurvedic Herbal Weighing and Packing Machine

2016 - 2017

University of Moratuwa

Awarded for Excellent Performance (Grade A) by the University of Moratuwa. Microcontroller-based project designed to automate the weighing and packaging process of prescribed ayurvedic herbs. The machine allows the user to input the required item code and the amount through a keypad coding system calibrated with kalan and manchadi. The measured dosage is delivered in a sealed polythene packet. The machine mainly aims to bridge the gap between traditional weighing mechanism used in Ayurveda using 50 cent coins and madatiya seeds.

Technologies used: Atmega 32A microcontroller

Yummy (Individual Project)

2019

A mobile application to search and view food recipes based on the user preferences. Users can rate the food recipes and save the recipes in favorites for future references.

Project: <https://github.com/chamlokuge/Yummy>

Technology stack: Ionic 3

PUBLICATIONS

Review of Prediction of Human Diseases using DNA Sequencing Technologies

4th International Conference on Information Technology Research (2019 Dec) ICITR,

University of Moratuwa.

The prediction of human diseases is the most popular research area in genetic studies and has many unique features for risk prediction. The paper summarizes a methodological review of DNA sequencing technologies with its advancement.

Preprint available at : https://www.researchgate.net/publication/344594808_Review_of_Prediction_of_Human_Diseases_using_DNA_Sequencing_Technologies

VOLUNTEERING

Rotaractor - Rotaract Club of University of Moratuwa

Chairperson of Bridge of Hearts (Nena Aruna) project aiming to build a library for Kahatagollewa Vidyalaya, Kebithigollawa.

Organizing Committee Member- Hand in Hand Volunteering project aiming the children of the Cancer Hospital to uplift their education and mental wellbeing.

Organizing Committee Member-Are You Ready' 18, Official Careers' Fair of University of Moratuwa.

Committee Member and Company Coordinator -Are You Ready' 17, Official Careers' Fair of University of Moratuwa.

NON-RELATED REFEREES

Dr. G. Upeksha Ganegoda,
Head of Department of Inter
Disciplinary Studies,
Faculty of Information Technology,
University of Moratuwa,
Sri Lanka.
Mobile: +(94) 71 996 8294
email : upekshag@uom.lk

Nadheesh Jihan,
Senior Research Software Engineer,
WSO2 Lanka,
Palm Grove,
Colombo 03,
Sri Lanka.
Mobile: (+94) 76 852 5534
email : nadheesh@wso2.com