



CHANDUKA SAMARASINGHE

Contact



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<https://github.com/chandukasm?tab=repositories>

PROFILE

I am a dedicated, responsible, and hardworking individual with a goal of being a successful IT professional in the industry. I am a good team player, capable of achieving the assigned targets and with the ability to generate commercially valuable innovative ideas, who is also passionate about exploring and learning about emerging technologies.

TECHNICAL SKILLS

- **Programing Languages:**
C, Java, Python, Dart
- **Web development**
HTML, CSS, JavaScript, PHP, React, Express Js, Spring Boot
- **Mobile developement**
Flutter, React-native
- **Database**
MySQL, PostgreSQL, Firebase
- **Version Control**
GitHub, SVN
- **Other**
Digital Image Processing, Data Mining & Data Warehousing, Ontologycal Modeling.

EDUCATION

- **UNIVERSITY OF MORATUWA -FACULTY OF INFROMATION TECHNOLOGY**
Reading for Honours Degree of Bachelor of Science in Information Technology (Expected in 2021 Feb)
CGPA: 3.31 (End of 6 semesters)
- **UNIVERSITY OF COLOMBO-SCHOOL OF COMPUTING (UCSC)**
Successfully completed diploma in "Java Application Development using JavaSE".
- **SCHOOL (2000-2013) - DE MAZENOD COLLEGE KANDANA**
G.C.E. Advanced Level – Bio Science Stream (2015)
Z Score : 1.8499
Chemistry: A, Biology: A, Physics: B, General English: A
G.C.E. Ordinary Level (2010): 9A passes

PROJECTS

- **BSC Level 4 Research Project: Project Leader**

Identification Of Covid-19 By Deeplearning Approaches -

A Convolutional Neural Network based approach for optimizing COVID-19 detection based on image preprocessing, segmentation and post processing techniques for CT Scan and X-ray images.

Project duration: One year (Ongoing project).

Technologies: Python, Image processing, Neural Networks.

- **BSC Level 2 Project: Project Leader**

P.O.S System with a User management System & Mobile Ecommerce Application

This is a software package containing a point of sale system, a user management system & an ecommerce mobile application for the customer's usage. Contributed by developing the mobile application.

Project duration: One year.

Technologies: YII, React-Native, MySQL.

- **BSC Level 1 Project: Project Leader**

Automated Weighing & Packaging Machine

An automated weighing & Packaging Machine for the commercial use at Supermarkets. Keeps daily sales reports. The user selected grain type, amount will be weighed & packed as the final output. Used Atmega microcontroller programming.

Project duration: One year.

PUBLICATIONS

- **BIOINFORMATICS FOR CANCER DIAGNOSIS:**
Published the research-review paper on "Bioinformatics For Cancer Diagnosis" in the ITRU Research Symposium held on 2019 at University Of Moratuwa.

AWARDS AND ACHIEVEMENTS

- All Island 1st place in classical violin playing- 2008
- All island 2nd place in classical violin playing- 2010
- Awarded as the Best Musician of the College with School Colours - 2012.

VOLUNTEER AND EXTRACURRICULAR

- Active member & Global volunteer in AISEC Colombo South.
- Successfully completed below projects as an Organizing Committee Member of IGV project "EARTH", Project Switch-Off, project Global Classroom & Ceylon expedition project -AISEC COLOMBO SOUTH.
- Front Row Violin player, Singer & a member of the Classical Music Society of University of Moratuwa.

NON-RELATED REFEREES

Dr. Upeksha Ganegoda,
Senior Lecturer,
Department of Computational Mathematics,
Faculty of Information Technology,
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A.K.C Udakumbura
Software Engineer,
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WORK EXPERIENCE

Software Engineer Intern - Octopus RMS (pvt) Ltd.
Duration : 6 months (19.08.2019 - 03-02-2020)

CRM system development

Development of the CRM system modules used in the inner management of the Octopus retail management system. The system was developed using Yii(PHP) framework with PostgreSQL database .
Duration : 3 months.

Desktop POS system backend development

Development of backend modules for Desktop P.O.S systems using spring boot framework.
Duration : 3 months.

INDIVIDUAL PROJECTS

MOBILE APPLICATIONS (DEVELOPED USING FLUTTER)

SATAHAN :

A social media application for Sri Lankans to anonymously share their thoughts and feelings with the community. Including reactions, Realtime chat integration and interface customizing.

MEMO :

International version of Satahan application with an entirely different UI.

MEDIC :

a patient history management application for doctors which can monitor the patient examinations, manage diagnose findings and index them for better patient management.

ELECTION :

A real-time election monitoring and voting application for political parties and general public to predict the election results and manage their campaigns.

MULTIPLICATION TABLES :

A simple multiplication table application for children with eye catching color combinations to improve their mathematic interests.

AAJU (WEB BASED)

A private clinic centre management application which can manage all the functionalities in a private clinic centre including diagnosing, managing medical staff, inventory management, income management and patient history management.

Technologies : React js, Express js, Redux ,
Material react, PostgreSQL database .