# DINAL FERNANDO
## SOFTWARE ENGINEER

## 🎓 ACADEMIC & PROFESSIONAL QUALIFICATIONS

**Bachelor of Science in Information Technology(Honors) | Reading(Expected 2021)**
University of Moratuwa
- CGPA – 3.34 (End of 6 semesters)

**G.C.E. Advanced Level – Physical Science Stream | 2013/15**
Bandaranayake College – Gampaha
- 3 'B' Passes for Chemistry – B, Combined Mathematics - B, Physics – B

## 🖥 PROFESSIONAL EXPERIENCE

**Spemai (Pvt) Ltd**
Designation : Software Engineer Intern
Duration : Aug 2019 – Feb 2020
- Worked on a Cloud Based Point of Sales System
Technologies     : Android Studio, Django REST Framework, React JS, AWS

## 📊 PROJECTS

**B.Sc. Level 4 Final Year Project: Smart Mail Sorting System for Sinhala Handwritten Addresses | (Ongoing Project)**
A computer vision-based approach for optimizing the mail sorting process of sinhala handwritten addresses based on pre-processing, character segmentation, character recognition and classification of a digital image.
Technologies     : Python, Image Processing, Neural Network
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**Android Cloud based Point of Sale Application**
An android application for track sales in a business using tablet. This is a full-stack project. The android application is capable of issue receipts, recording sales even while offline. Web APIs are develop using Django rest framework.
Technologies     : Android Studio, Django REST Framework, AWS Elastic beanstalk, MySQL

https://play.google.com/store/apps/details?id=com.onepos.posandroidv2
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**Web Admin Application for POS System**
Implemented a web application for real time inventory management and sales analytics. This is a full-stack project. The web application is capable of track inventory in real time. Web APIs are develop using Django rest framework.
Technologies     : ReactJS, Django, AWS Elastic beanstalk, AWS S3, AWS CloudFront, AWS Route53

https://onepos.lk/
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**Inventory Management System**
Inventory management system for gas cylinder distributor to manage their inventory. This system tracks purchases and sales with the route and the vehicle. Developed only backend of the system using Django rest framework.
Technologies     : Django, AWS Elastic beanstalk, AWS Route53
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**Salon Booking System**
Aim of this system is to manage day to day appointments in the salon and allow customers to create online appointments through a web app. Developed only the backend of the system using the Django rest framework and AWS.

## 👤 PROFILE DETAILS

🏠 No:39/1 ,Mahawatta, Weliveriya

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✉ dinal.ridma@gmail.com

in https://www.linkedin.com/in/dinal-fernando-1088B3164

 https://www.github.com/dinal-fernando

Ⓗ https://www.hackerrank.com/dinal_ridma

## 👤 ABOUT ME

Enthusiastic person with diverse range of analytical and problem solving skills. An outgoing personality with strong and effective organizational and communicational skills, Good team player and able to use own initiative to achieve company objectives. Versatile and learns new tasks/skills quickly......

## 👤 PROFESSIONAL SKILLS

■ **Programing Languages**
Python, Kotlin, Java, C

■ **REST Framework**
Django

■ **Mobile Development**
Android Studio

■ **Web Development**
React JS, JavaScript, HTML5, CSS, PHP, XML

■ **Cloud Platform**
Amazon Web Service

■ **Version Control System**
Git, Bitbucket

■ **Databases**
MySQL, MSSM, Firebase

■ **IDE**
Android Studio, PyCharm, WebStorm, VS code

■ **Applications**
AutoCAD, Adobe Photoshop, Office suite

# PROJECTS

**Room Reservation Management System**

Room reservation management system for hotels. This system is capable of register hotel through the application and own an admin panel to manage their reservation. Also allowing guests to create secure online reservation. Developed only backend of the system using Django rest framework and AWS

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**B.Sc. Level 2 Software Project: Online Promotion System (Mentored By: WITEL Solution)**

The aim of this project is to develop a web application for upload promotions as text, image or video to the system and android application for download promotion from the server and promote products using android box.

Technologies    : Laravel, NodeJS, Bootstrap, jQuery, Android Studio, Firebase

https://github.com/Dinal-Fernando/Online-Promotion-system

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**B.Sc. Level 1 Hardware Project: Automated Soft Drinks Server**

This is an automated machine to serve soft drinks bottles. It automatically removes the lid and put straw into the bottles. This is also a micro-controller-based project.

Technologies    : Embedded C, Microcontroller Atmega 32

# RESEARCH WORK

**Robotics for Surgeries**

Researched about uses of robots in surgeries. Identify the major sectors where the studies have been done in relation to surgery robots to perform many types of complex procedures with more precision, flexibility and control with conventional techniques.

https://www.researchgate.net/publication/345319191_Robotics_for_surgeries

# OTHER EXPERIENCE

- Co- Chairperson "Sneha Yathra" Charity Project 2019 | Project of Rotaract Club University of Moratuwa. It was a donation campaign in rural area

- MORAXtreme 3.0: Participant 12 hour long coding competition held only for University of Moratuwa undergraduates

- Cyber Fest CTF challenge Hackathon: Participant 10 hour long coding competition organized by NIBM

- Organizing Committee Member of "Code Rush 2018" organized by INTECS Faculty of Information Technology

- Crew member of "Are You Ready 2018 – The Official Career Fair of University of Moratuwa"

- Organizing Committee Member of "Induction Ceremony 2018 – Rotaract Mora

- Organizing Committee Member of Intellect 2018: Project of Rotaract Club University of Moratuwa – A seminar series about science and technology.

# DECLARATION

I do hereby certify that the above particulars furnished by me are trueand correct to the best of my knowledge and belief, and I am willing to forward any other details you may require.......

# LANGUAGES

Sinhala

English

# PERSONAL SKILLS

Quick learner

Self confidence | self motivated

Innovative|flexible & friendly

Cooperative Team Player

Ability to make initiative

Good teamwork skills

Adaptability

Strong attention to detail

Strategic Planner

# ACTIVITIES | INTERESTS

Robotics

Programming

Volunteering

Music

Movie

# REFEREES

**Dr. Lochandaka Ranathunga**
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