

SUSITH HEMATHILAKA

Undergraduate | Software Engineer

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EDUCATION

University of Westminster 2017 - 2021

• **B.Sc. Engineering (Hons) in Software Engineering**

Current Grade - First Class (Equivalent of 3.7+ GPA)

Course Work - Object Oriented Programming, Concurrent Programming, Data Structure & Algorithms, Database Systems, Mobile UX, Client Server Architecture, Web Design & Development, Android Application Development, Reasoning about Programs

WORK EXPERIENCE

Direct FN (Pvt) Ltd Colombo, Sri Lanka

Software Engineering Intern Jul 2019 – Jul 2020

Projects – DFN Monitoring, CSM

• Technologies – Java(Spring Core, Spring Boot, Java EE), JMS, ActiveMQ, message queue, Netty, Maven, Jboss, WebSphere, Jetty, JGroups, JavaMail, SoupBinTCP, QuickFix, SWIFT MT, Agile-Scrum, Jira, Junit, Git, Jackson

PROJECTS

MaskNet – Occlusion Invariant Face Recognition System
Research Project | Deep Learning | Computer Vision

• Description – Occlusion Invariant face recognition system which capable in recognizing faces while wearing a face mask.

• Technologies & Tools – Python, Tkinter, SQLite, Keras, TensorFlow, Siamese Networks, Face Recognition

SmartGuru – Adaptive Learning Platform for Java
NLP | Recommendation Systems

• Description – Smart adaptive learning platform for Java based on student performance with friendly challenges.

• Technologies & Tools – Python, Flask, React Native, MySQL, phpMyAdmin, MySQLWorkbench, AWS, Git

• Recognition – Cutting Edge 2019 Finals

DigiLib – Online Library Manager

• Description – Fully featured digital library management solution designed for keeping track of the books.

• Technologies & Tools – Java Play, Ebean ORM, Angular, MySQL, Scala SBT, Junit



"Seeking for opportunities in the fields of software engineering & cloud computing to meet challenges as a smart and hardworking professional; where I can utilize my skills, strength and experiences to contribute towards the growth of the place where I work."

TECHNICAL SKILLS

• Concepts & Fields

Software Engineering

Concurrency

Network Programming

Databases

Agile Practices

• Programming Languages

Java

JavaScript

Python

• Backend Technologies

Spring

JavaEE

Netty

Flask

Hibernate

• Web/ Mobile Technologies

Angular

Android

PHP

React Native

jQuery

• Data Science

Deep Learning

Computer Vision

Machine Learning

• Database

MySQL

SQLite

• Cloud & Devops

AWS

Docker

• Support tools

Maven

Git

Jira

Junit

SonicPrint - Shared Printing Simulator

- Description – Concurrent programming application for shared asynchronous printing system including real time refilling written using java concurrency concepts.

Pathfinder – A*Star based Path Finder Visualization

- Description - 2D maze path solver visualizer to show the beauty of pathfinding supports diagonal and non-diagonal pathfinding and change the speed of the visualization during runtime.
- Technologies & Tools – Algorithms, Java, JavaFX

ReJister – Platform for User Registration

- Description – User registration Restful API written using spring technologies with access control.
- Technologies & Tools – Spring Boot, Hibernate , REST, MySQL, Spring Security, Docker, AWS

Vis-Flow – Graph Visualization of Max Flow

- Description – Algorithm visualization tool for graph generation With a visualization of maximum flow finding.
- Technologies & Tools – Java, Java Swing, JGraphX

GuessFlag – Android Flag Quiz

- Description – game full of fun that consists of guessing the names of hundreds of countries flag from around the world including different game mods and leaderboard.
- Technologies & Tools – Java, Android, Gradle

eRAIL – Mobile Web Application for Train Ticket Booking

- Description – Mobile web application fully facilitated with the capabilities of the train ticket booking system and more exciting features.
- Technologies & Tools – JavaScript, jQuery, Figma

CERTIFICATIONS

Google Cloud on Coursera

Google Cloud Platform Fundamentals: Core Infrastructure

LearnQuest on Coursera

Fundamentals of Kubernetes Deployment

University of Michigan on Coursera

Python Data Structures

Jhon Hopkins University on Coursera

The Data Scientist's Toolbox

Google Sites

Google Mobile Sites Certification

PUBLICATIONS

AN ANALYSIS OF FACE RECOGNITION UNDER FACE MASK OCCLUSIONS

MLDS 2021 - Conference on Machine Learning Techniques and Data Science

📍 Zurich, Switzerland 📅 Nov 20,2021

EXTRA-CURRICULAR

IIT Rugby Team

Informatics Institute of Technology

Jul 2018 – Jul 2019

- Champions - Tap Rugby Tournament Inter House Sports Meet 2019

IEEE Student Branch

Informatics Institute of Technology

Jul 2018 – Jul 2019

- Volunteer – IIT Student Hub of IEEE Extreme 12.0 (2018)

Rotaract Club of IIT

Informatics Institute of Technology

Jan 2018 – Present

- Organizer - IRONMAN 2019, HacXmas 2019

REFEREES

Mr. Achala Aponso

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