THIVAGAR MAHENDRAN

SOFTWARE ENGINEER

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CONTACT

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SOCIAL

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🐙 github.com/thivatm

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SKILLS

JAVASCRIPT

REACTJS

ANGULAR

PYTHON

NOSQL

ABOUT ME

I'm currently a software engineering undergraduate (Fresh Graduate), a fullstack software developer always fueled by my passion. I enjoy building everything, from small business sites to rich interactive web apps. I'm able to master new skills and concepts quickly which I consider as the most essential aspect in developing my career. I'm also a passionate photographer dedicated to inspire the world in creating their moments .

EDUCATION

● **UNIVERSITY OF WESTMINSTER**   2017 - 2020
BENG(HONS) SOFTWARE ENGINEERING

- **LEVEL 06 (AVERAGE: TBA)**

Final Year Project	-	TBA
Mobile User Experience	-	**82%**
Concurrent Programming	-	**73%**
Reasoning About Programs	-	**88%**
Security & Forensics	-	TBA

- **LEVEL 05 (AVERAGE: 66)**

● **HINDU COLLEGE COLOMBO - 04**   2003 - 2016

G.C.E Advance Level Examination (Physical Science)
RESULTS : C & 2S

G.C.E Ordinary Level Examination
RESULTS : 7A, B & S

EXPERIENCE

SOFTWARE ENGINEERING TRAINEE   JULY 2018 - JULY 2019
IFS SRILANKA

As a part of my degree, I did my internship at Industrial Financial Systems during my placement year. IFS is a Sweden based company which provides ERP based solutions for their client all around the world from different industries. In IFS i got the opportunity work in the Research and Development team where i had to write business logics and convert the existing destop application to web application.
Also i worked in an internship project where i had to develop a solution for CRM component in IFS application. Which is an API to bridge the database of IFS application and Outlook Application.
Technologies: C#, PLSQL, Microsoft Graph

VOLUNTEER PROJECT

Designed and Developed a website for Ng-SriLanka 2019. Ng-SriLanka is the first ever Angular Conference in Sri Lanka organized by Angular Community in Sri Lanka.
Technologies: Angular

AS A FREELANCER

Front-end development of a web application where i had to design and implement a nice looking UI with a better User Experience for an african based startup.
Technologies: JavaScript, Jquery, HTML5, CSS3

CERTIFICATES & AWARDS

Startup Weekend Colombo 2018 - 1st Place

Google Mobile Cites Certification

EXTRA CURRICULAR

NG-SRILANKA
CO-ORGANIZER & PUBLIC RELATIONS MANAGER

MOZILLA CAMPUS CLUB IIT
VICE PRESIDENT - 2017-2018

IEEE MEMBER

INNOVATION NATION SRILANKA
VOLUNTEER

BASKETBALL PLAYER

REFERENCES

SAJEETHARAN SINNATHURAI
Cloud Solution Architect (APAC OCP) - Microsoft
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SHARMILAN SOMASUNDARAM
Senior Software Engineer - 99X Technologies (PVT) Ltd.
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+94 75 570 9261

PROJECTS

REALSKETCH - SKETCH TO PHOTO-REALISTIC IMAGE GENERATOR

In my final year research project, there's a discussion on how we can bridge the gap between the industrial designer and their production workflow to reduce the cost of the time they spend on prototyping. An image synthesizing technique to generate a photo-realistic image of a real-world object from a sketch has been introduced. Compared to the existing systems our system can generate images with more accuracy and more photo-realism.
Technologies Used: Python, PyTorch, Flask

TRAIN BUDDY

TrainBuddy is a mobile web application which was implemented with a group effort as an assignment for Mobile User Experience. This application is a gamified app with an intetion of encouraging travellers to use the Train for them to commute in a specific country. **(https://github.com/thivatm/Train-Buddy)**
Technologies Used: IoT - HTML5, Sass, jQuery Mobile, AR js, FIrebase

BLISS OF BLINDS

This device detects obstacles around the surrounding, recognize objects in the environment, help user for navigation through google assistant and command the instructions of the above to the user.
Technologies Used: IoT - Raspberry Pi 3; Object Recognition - Open CV

SOUND AND AIR POLLUTION DETECTION SYSTEM

This device monitor the industrial areas and alert the authorities when an unhealthy surrounding is detected due to the high level of noise and low air quality index to reduce the alarming growth rate of the pollution.
Technologies Used : IoT - Arduino Uno; Mobile Apllication - Java(Android); Cloud - ThingSpeak

PUBLICATIONS & ARTICLES

GAN BASED PHOTO REALISTIC IMAGE GENERATOR USING NESTED U-NET - RESEARCH PAPER

- Submitted a Full Research Paper based on my Final year project to **ACCTHPA 2020 Conference - http://www.ic5.fisat.ac.in/** (Accepted and yet to be published on IEEE Explore).

WEB COMPONENTS IN A NUTSHELL - ARTICLE

- https://levelup.gitconnected.com/web-components-in-a-nutshell-1e114aa971b9

IONIC CURRENCY CONVERTER - ARTICLE

- https://hackernoon.com/ionic-currency-converter-8f33d3d76d2d

JAVASCRIPT ES10/ES2019 FEATURES - ARTICLE

- https://levelup.gitconnected.com/javascript-es10-es2019-features-d80c4fca6094