



# THIVAGAR MAHENDRAN

SOFTWARE ENGINEER

[HTTPS://THIVA.STUDIO](https://thiva.studio)

## CONTACT



+ 94 778656887



thivagartm@gmail.com



19/6, Sri Maha Bodhi Road,  
Dehiwala, 10350, Sri Lanka

## SOCIAL



twitter.com/thiva\_mahen



github.com/thivatm



stackoverflow.com/users/99  
97860/thivagar



medium.com/@thivagartm



facebook.com/thiva.mahen.1



linkedin.com/in/tm-851422138/

## SKILLS

JAVASCRIPT

REACTJS

ANGULAR

PYTHON

NOSQL

SQL

## ABOUT ME

I'm currently a software engineering undergraduate (Fresh Graduate), a Full-Stack Software Developer always fueled by my passion. I enjoy building everything, from small business sites to rich interactive web and mobile apps. I'm able to master new skills and concepts quickly which I consider as the most essential aspect in developing my career. I am also passionate about Deep Learning where currently i am trying to develop myself as a Deep Learning expert.

## EDUCATION

### INFORMATICS INSTITUTE OF TECHNOLOGY 2017 - 2020

BENG(HONS) SOFTWARE ENGINEERING (UNIVERSITY OF WESTMINSTER)

#### FIRST CLASS HONOURS

##### - LEVEL 06 (AVERAGE: 75.83)

Final Year Project	-	75%
Mobile User Experience	-	82%
Concurrent Programming	-	73%
Reasoning About Programs	-	88%
Security & Forensics	-	62%

##### - 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

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 desktop 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-Sri Lanka 2019. Ng-Sri Lanka is the first ever Angular Conference in Sri Lanka organized by Angular Community in Sri Lanka.

Technologies: Angular

### FREELANCING

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  
sajeetharan@outlook.com  
+94 77 330 4035

### SHARMILAN SOMASUNDARAM

Senior Software Engineer - 99X  
Technologies (PVT) Ltd.  
sharmilan\_s@outlook.com  
+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 Appllication - 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.html> (Accepted and yet to be published on IEEE Explore).

### WEB COMPONENTS IN A NUTSHELL - [ARTICLE](#)

- <https://levelup.gitconnected.com/web-components-in-a-nut-shell-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>