

# Thusiyanth Ratnasingam

## Software Engineer

B.Sc. Special (Hons) in Information Technology  
Specialization in Information Technology

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### Profile

I'm software engineer. I have different profile knowledge such as java, python, Data Science, Game developing and I have 2.5 years experience in software industry. I'm eager to learn, grow and improve my skills. I enjoy using my technical knowledge to the benefit of organizations.

### Education

- G C E Advanced Level (Bio Stream)  
Highlands Central College, Hatton.  
2015.
- B.Sc. Special (Hons) in Information Technology Specialization in  
Information Technology in Sri Lanka Institute of information  
Technology, Malabe.

### Experience

#### Associate Software Engineer In Salesforce

**Virtusa.pvt.ltd 2021 July - 2022 July**

- **Client** - Union Health group (UHG-COL)
- Work with Union Health Pharmacy System Project
- Implemented the requirements on Salesforce.com platform.
- Designed the solution by customizing various standard objects of Salesforce.com
- Designed, Implemented, and deployed the Custom objects, Page layouts, Custom tabs, Custom Buttons, Custom Links, and Components.
- Created various Profiles and Roles and configured the permissions based on the organizational hierarchy requirements.

**Technology used :Aura ,Apex,Salesforce Admin**

#### Associate Software Engineer

**Jazz Lanka Developers 2020 June- 2021 May**

- **Project** - Hotel Management System(Annai Hotel and Restaurant,jaffna),Supper Market
- Experience in Object-oriented programming specifically on JAVA
- Developed a desktop application using core java.
- Developing the use case diagrams, object diagrams, class diagrams and sequence diagrams using UML

**Technologies Used: Java, MySQL, iRepor**

## Junior Software Engineer

**Codefover Technologies 2019 December - 2020 may**

- Project includes multiple modules such as a Mobile Food delivery application, Admin control page, Menu page
- Maintained quality user friendly and responsive design
- Create and test application .

**Technology used : java ,Firebase**

## Projects

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### Online Mobile Store

This is a web application for buying and selling Phones. Administrators can manage Phone and its quantity. Users can sign up and search for a Phone. And then they could add it to card and buy it. Also, users can create support tickets for contacting Administrators.

**Technologies Used: PHP, MySQL, CSS, HTML, JavaScript**

### Sports and GYM management system

Developed a desktop application using core java. It consisted of functionality to Manage sports activity's, gym activities and Schedules. Reports are generated as required.

**Technologies Used: Java, MySQL, iReport**

### Tea Estate and Factory Management System

This is a desktop application developed using C#. This project had 8 modules which was assigned to 8 members of our team. I worked for HR management part. Managing schedules, creating account login

**Technologies Used: C#, MySQL, Crystal Report account, works payment ,works attendance using RFID And Arduino UNO**

### GPS Location And Model

UniApp is the application is for the students of SLIIT. feature of sharing information with others by posting it in the app interface provided by the application. I worked for Share Map Location and Allow users to interact with each other through the app

**Technologies Used: Java, Firebase, android**

### Web Based Voice Controlled Advanced PACS to Diagnose Lungs Cancer And Related Anomalies (Research)

Picture Archiving and Communication System (PACS) is the foundation of the examination of restorative pictures as it is well received with Digital Imaging. I worked for Predict breast cancer and voice recognition and commanding.

**Technologies Used: Python, ML, Algorithm, Tensorflow, Jupyter Notebook**

## Skills

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### Languages

Python, java , C# , html , CSS, JavaScript, Aura, Apex, Salesforce Admin, I have the ability to work on the network

### Database

SQL

### Framework

Codeigniter

## Machine Learning

Linear Regression, Decision Tree, Random Forest, Logistic Regression , SVM , Naive Bayes , KNN ,K-Means , Mean Shift , Hierarchical Model,DBSCAN , Apriori ,model ,LDA , PCA

## Neural Networks

Artificial Neural Networks, Convolution Neural Networks, Recurrent Neural Networks , Generative Adversarial Networks(GAN) , OpenCV

## Libraries

NumPy,scikit-learn,Pandas,Matplotlib,joblib,flask, TensorFlow , keras ,matlab

## Tools

Adobe after effects,shortstops,adobe illustrator,wondershare filmora,Adobe premiere pro,Unity

## Certificates

- [hackerrank.com/thusiyanth02](https://hackerrank.com/thusiyanth02)
- Elementsofai certification in Introduction to AI
- Coursera Stanford University Machine Learning completed
- Salesforce Profile - <https://trailblazer.me/id/rthusiyanth>
- JAVA [www.hackerrank.com/certificates/c036dff75311](https://www.hackerrank.com/certificates/c036dff75311)
- SQL [www.hackerrank.com/certificates/0ce502915185](https://www.hackerrank.com/certificates/0ce502915185)
- ML [www.kaggle.com/learn/certification/thu123/intro-to-machine-learning](https://www.kaggle.com/learn/certification/thu123/intro-to-machine-learning)
- AI [certificates.mooc.fi/validate/rf3wcmcwvo](https://certificates.mooc.fi/validate/rf3wcmcwvo)

## Membership

- Student Member of Computer Society of Sri Lanka (CSSL)

## Research Paper

- Web Based Voice Controlled Advanced PACS to Diagnose Lungs Cancer And Related Anomalies  
International Journal of Innovative Science and Research Technology  
Volume 4 – 2019

## References

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- **Gowshigan Ladchumanan** ,IT Executive Engineer ,Nordic Group Limited  
+65 9422 9716 [gowshigan@nordicgrouplimited.com](mailto:gowshigan@nordicgrouplimited.com)
- **Niruhan Viswarupan**, Software Engineer ,Quesscorp / DBS Bank  
+6584545932, [niruhan@db.com](mailto:niruhan@db.com)

## Declaration

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I am very much confident that I can contribute more towards the betterment of your reputed organization while gaining invaluable experience in my fields of interest. I hereby certify the information furnished above true and accurate to my knowledge.

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Thusiyanth Ratnasingam