

# Thayaparan Sathulakjan

Vangalavady road, Madduvil east, Chavakachcheri, Jaffna, 40000, Sri Lanka

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## Summary

I am an accomplished creative professional problem analyzer with good communication. I am in my early career and seeking positions to grow my career in software engineering development. A highly motivated and hardworking individual who has a passion for computer science and who loves to try out different technologies.

## Education

### BSc (Eng. Hons) in Computer Science and Engineering

University of Moratuwa

- GPA - 3.5
- Deans List - 8<sup>th</sup> Semester

Colombo, Sri Lanka  
Aug 2018 – July 2023

### G.C.E. Advanced Level

Chavakachcheri Hindu College

- 3A - Physical Science Stream
- 179<sup>th</sup> in Island wide

Jaffna, Sri Lanka  
2015 – 2017

## Experience

### Software Engineer

Eyepax IT Consulting (Pvt) Ltd

- Developed and Modified the UI using ReactJS, VueJS according to the Requirements.
- Implemented APIs and Configurations in Backend using PHP frameworks like Symfony, Laravel.
- Restructured the Modules/Services for Performance Improvement in Front-end and Backend.
- Wrote functional tests, unit tests for APIs and Services.
- Maintained and Followed Code Quality Standards across the Development.

July 2023 – Present  
Colombo, Sri Lanka

### Intern Software Engineer

Eyepax IT Consulting (Pvt) Ltd

- Developed and Integrated APIs using PHP Symfony framework.
- Implemented the State Managements and Routing using Redux and React-Router.
- Developed and Tested UI using ReactJS according to given Figma design and Requirements from Clients.

Dec 2021 – Aug 2022  
Colombo, Sri Lanka

## Projects

### Air Signature (Final Year Project)

Python, TensorFlow

- The most crucial aspect of today's online environment is digital signing on soft copies. The process for interacting with devices needs to be made more effective and user-friendly. And one way to achieve this is by utilizing non-contact video-based interaction methods. We suggested a reliable fingertip detection technique (robust fingertip detection algorithm) to detect the fingertip, using CNN to track the fingertip in a complicated environment. Next, draw the signature in front of the camera using a fingertip. A copy of the signature would be preserved and verified. In the future, we also plan to develop an intelligent end-to-end product for natural style signing that will allow users to be authorized using their signatures.

Nov 2022 – Jun 2023

### Text Corpus and Search Application

Python, JavaScript, Elasticsearch

- This was an Information Retrieval project which was built sample text corpus using any language songs and some songs relevant information then using that corpus I developed searching application using Elastic Search.

Nov 2022 – Jan 2023

### Online Pharmacy Web application

NodeJS, ReactJS, Redux, Sequelize, PostgreSQL

- The "Online Pharmacy Marketplace" system operates within the healthcare industry, offering a platform that connects suppliers of pharmaceutical products, such as pharmacies, medical suppliers, and hospitals, with consumers. An administrative dashboard has been developed for the system, as well as an interface for delivery agents who manage product deliveries. I was responsible for the design of the customer and supplier front-end, as well as the implementation of the access and user management systems in the backend.

Aug 2021 – Dec 2021

## Banking Managing System in RDBMS

Jan 2021 – Mar 2021

OOP PHP, JavaScript, HTML, CSS, MySQL

- This project is a full stack web application built for used to core bank systems (Transactions, managing customers, fixed deposits, saving accounts and generating reports. etc.) using MySQL.

## Sri Lanka Railway Online Ticket Reservation

Jan 2020 – May 2020

OOP PHP, JavaScript, HTML, CSS, MySQL

- This project is a full stack web application built for used to book seats at a particular train time also we can see the railway schedule and the current location of the train. I worked as a full-stack developer and group leader here.

## Email Client

Sep 2019 – Nov 2019

Java, SMTP, IMAP

- This is a project for a small application to receive and send emails with help of thread handling.

## Technical Skills

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**Programming Languages:** Python, Java

**Web Technologies:** PHP, NodeJS, Symfony, ReactJS, Redux, Typescript, VueJS, Go, HTML5, CSS, JavaScript

**Databases:** MySQL, PostgreSQL

**DevOps and Version Control:** Linux, apache2, GitHub, GitLab, Bitbucket, Docker, CI/CD

**AI Tools:** ChatGPT, Cursor AI

## Certifications and Badges

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**Hacker Rank Java, Python:** [View Profile - Hacker Rank](#)

**Kaggle Feature Engineering:** [View Certificate - Kaggle](#)

**Kaggle Data Cleaning:** [View Certificate - Kaggle](#)

**Kaggle Intermediate Machine Learning:** [View Certificate - Kaggle](#)

## Referees

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### DR. ADEESHA WIJAYASIRI

Lecture

University of Moratuwa

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### DR.(MS) DR SURANGIKA RANATHUNGA

Lecture

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