

# THULASIYAN YOGESWARAN

B.SC (HONS) IN COMPUTER ENGINEERING



- [Thulasiyan Yogeswaran](#)
- [SyThulasi](#)
- +94762871954
- [sythulasi.6@gmail.com](mailto:sythulasi.6@gmail.com)
- Kondavil West, Jaffna, Sri Lanka.
- [sythulasi.github.io](https://sythulasi.github.io)

## SKILLS

- **Programming Languages**  
Java, JavaScript, Python, C, HTML, CSS
- **Frameworks**  
Spring Boot, React
- **Database**  
MySQL, PostgreSQL, MongoDB, Firebase
- **Mobile App Development**  
Java, Flutter
- **Clouds**  
AWS - EC2
- **Tools & Technologies**  
REST API, CI/CD, Docker, Apache Kafka, Jenkins, Jira, Kibana, Linux Terminal, Postman, BloomRPC, Android Studio, VS Code
- **Version control**  
BitBucket, Git and Github
- **Hardware Programming**  
Verilog HDL, Arduino C, ARM Assembly

## INTERESTS

- Full Stack Web Development
- Software Engineering
- Mobile App Development
- Machine Learning
- IOT

## PROFILE

I am a dedicated and self-motivated computer engineering graduate seeking a position where I can utilize my skills and gain experience as a **full-stack, back-end or front-end software engineer** to further my career, become a successful professional in the industry, and make significant contributions to the team and company.

## EDUCATION

- **BSC ENGINEERING HONOURS IN COMPUTER ENGINEERING**  
Faculty of Engineering, University of Peradeniya | Dec 2019 - Aug 2024  
- Current GPA: 3.40/4.00
- **GCE ADVANCED LEVEL EXAMINATION - PHYSICAL SCIENCE**  
Kokuvil Hindu College, Jaffna | 2010 - 2018 | Z Score - 1.882  
- A, A, B for Combined Mathematics, Chemistry and Physics respectively.

## WORK EXPERIENCE

### SOFTWARE ENGINEERING INTERN, ISA

( Aug 2023 - Dec 2023 )

- Collaborated with a team of software engineers to develop **microservice** architecture, contributing to scalable and modular software solutions.
- Contributed to unit test case writing, identifying and addressing code smells, participating in bug fixing, and implementing new features.
- Collaborated with team members to troubleshoot software issues and conduct code reviews, enhancing system performance and reliability.
- Followed **agile methodologies**, participating in sprints, stand-ups, and retrospectives to ensure efficient delivery.

Gained hands-on experience with technologies like **Java, SpringBoot, React, PostgreSQL, MVC, Gradle, Hibernate, Apache Kafka, gRPC, Kibana, BitBucket, Docker, Jenkins, and Jira.**

## PROJECT EXPERIENCE

### CINEMA APP - INTERNSHIP PROJECT

(INDIVIDUAL - 2023)

**Technologies:** Java, SpringBoot, Gradle, React, PostgreSQL, Apache Kafka.

- Developed a Cinema Ticket Reservation App, encompassing cinema profile management, movie addition, editing, reservation validation, and confirmation processes, along with seat inventory management for showtimes on various days.
- Implemented **micro-services** for scalability.

[Git Repo](#)

## COMPETITIONS

- **Winners | HackFest** 2022  
organized by [ACES](#)  
[University of Peradeniya](#)
- **Top 25 | Coders v 9.0** 2023  
(12 hours coding competition)  
100+ team participated  
organized by ACES  
University of Peradeniya
- **Runners up | ACES Hackathon**  
organized by [ACES](#) 2023  
[University of Peradeniya](#)

## LANGUAGES

**Tamil** - Native proficiency  
**English** - Professional proficiency  
**Sinhala** - Limited Working Proficiency

## VOLUNTEERING EXPERIENCE

### Casual Instructor

Department of Computer Engineering, University of Peradeniya  
CO 226: Database Systems

### Web Consultation Team, University of Peradeniya

Team Member | Collaborated with a team to identify and address issues related to university web ranking.

## REFERENCES

### Prof. Roshan G. Ragel

Head of the Department  
Department of Computer Engineering,  
Faculty of Engineering,  
University of Peradeniya.

Email: [roshanr@eng.pdn.ac.lk](mailto:roshanr@eng.pdn.ac.lk)

Phone: **+94 77 385 77 55**

### Shamindra Hettiarachchi

Project Manager cum Scrum Master  
Serverless Guru, LLC. consultant for Air Canada

Email: [shamindrah@gmail.com](mailto:shamindrah@gmail.com)

Phone: **+94 72 226 00 00**

## ORDER MANAGEMENT API DEVELOPMENT

(INDIVIDUAL - 2024)

**Technologies:** Java, SpringBoot, Maven, MySQL, JWT, Hibernate.

- Implemented JWT-based authentication for securing API endpoints.
- Built core functionalities like client registration, order placement, cancellation, and history retrieval with pagination.
- Dockerized the application for easy containerization and deployment.
- Wrote comprehensive unit test cases to ensure code quality and reliability.

[Git Repo](#)

## CRYPTOCURRENCY-BIDDING-APP

(GROUP - 2022)

**Technologies:** Java, Firebase & Firestore

- The app was designed as a way to sell and buy Cryptocurrencies by the Real-time auction method.
- I contributed to develop both front-end and back-end.

[Git Repo](#)

## CORALS PROTECTOR

(GROUP - 2023)

**Technologies:** React, Node.js, MongoDB, Express.js, AWS

- Created and deployed the Corals Protector project to analyze factors affecting coral growth and human impact on reefs.
- Developed a secure web application hosted on AWS EC2, ensuring controlled access to sensitive data.
- I contributed to develop front-end.

[Git Repo](#)

## AUTOMATED MEDICAL IMAGE ANNOTATION FOR DATASET BUILDING - FINAL YEAR RESEARCH PROJECT

**Technologies:** Python, ML

(GROUP - 2024)

- This model can predict and segment images using user-provided annotated images.
- Text prompting can be included.
- Currently focusing on using our own dental images to train an existing self-supervised few-shot semantic segmentation algorithm.

[Website](#)

[Git Repo](#)

## "SNAT" - MEAL TRACKING APP

(GROUP - 2022)

**Technologies:** Flutter , Firebase & Firestore

- "SnaT - Meal Tracking" is a mobile app, developed with the collaboration of a Food Science Research Team from Wayamba University.
- I contributed to develop both front-end and backend.

[Git Repo](#)

## OPTICAL CHARACTER RECOGNITION AND TRANSLATION FROM SINHALA TO TAMIL FOR PRINTED DOCUMENTS

(GROUP - 2023)

**Technologies:** Natural Language Processing, React, Node.js, OCR

- This software reads printed Sinhala text, using optical character recognition (OCR) to turn it into editable text, and then translates it into Tamil.
- Using the program, the user can upload and download the document.
- I contributed to develop front-end.

[Git Repo](#)