


# KERTHIKAN JEGOVARAJAH

## COMPUTER SCIENCE UNDERGRADUATE

+94 764888950 | [dev.kerthikan@gmail.com](mailto:dev.kerthikan@gmail.com) | 30, IBC Road, Colombo-06

 <https://www.linkedin.com/in/kerthikan>

 <https://github.com/kerthikan5>

 <http://kerthikan.me>

---

## ABOUT ME

---

Computer Science undergraduate with a solid foundation in software development, problem solving, and system design. Demonstrates strong analytical thinking and the ability to develop efficient, scalable solutions to real world challenges. Eager to apply technical knowledge and contribute effectively within a professional engineering environment.

---

## PROJECTS

---

### AgriVora : Software Development Group Project

Technology Stack: Python, FastAPI, Flutter, LightGBM, CNN, TensorFlow, Firebase, ESP32

- Developed a mobile application that analyzes soil and environmental data to recommend suitable crops.

### SmartQueue : Appointment Booking and Live Queue Management System

Technology Stack: React (Vite), TypeScript, FastAPI, PostgreSQL, WebSockets

- Built a real-time appointment booking and queue management system with live queue tracking and administrative dashboard.

### TaskMate : Task & Habit Tracker System

Technology Stack: Next.js, TypeScript, Tailwind CSS, Supabase

- Developed a web-based productivity application for managing tasks, tracking habits, and monitoring daily progress.

### Smart Library Management System

Technology Stack: Java, Spring Boot, Hibernate, MySQL

- Built a library management system to handle book cataloging, user registration, borrowing records, and automated fine calculations.

### Theatre Ticket Booking System

Technology Stack: Java

- Developed an object-oriented ticket reservation system for managing seat allocation and booking workflows.

### Traffic Data Analysis System

Technology Stack: Python

- Implemented a data analysis solution to process traffic datasets and generate meaningful insights.

---

## SKILLS

---

**Programming Languages** - Python | Java | Typescript | Dart | HTML | CSS | JavaScript | SQL

**Frameworks & Development** - Next.js | React (Vite) | FastAPI | Flutter | REST APIs | WebSockets | OOP

**Machine Learning** - LightGBM | TensorFlow | CNN | Scikit-learn | Data Preprocessing

**Databases** - PostgreSQL | Firebase Firestore | Supabase | MySQL

**Tools & Technologies** - Git | GitHub | VS Code | Figma | Google Colab | Postman | Adobe Photoshop

**Non-technical Skills** - Problem solving | Analytical thinking | Team collaboration | Time management

**Languages** - English | Tamil | Sinhala

---

## EDUCATION

---

### BSc(Hons) Computer Science

2024 - Present

Informatics Institute of Technology

- I have completed the first year and currently pursuing the second year of the BSc (Hons) Computer Science degree at the Informatics Institute of Technology, affiliated with the University of Westminster.

### G.C.E Advanced Level

2020 - 2022(2023)

T/R.K.M Sri Koneswara Hindu College

- I have completed the G.C.E. Advanced Level examination in the Physical Science stream.

### G.C.E Ordinary Level

2018- 2019

T/R.K.M Sri Koneswara Hindu College

- I have successfully completed the G.C.E. Ordinary Level examination.

---

## LEADERSHIP EXPERIENCE

---

### Informatics Institute of Technology

- Editorial Crew of Students' Union of Informatics Institute of Technology 2025/2026
- Editor of Narunthungal Pongal Community of Informatics Institute of Technology 2026

### T/R.K.M Sri Koneswara Hindu College

- Senior Prefect of Hindu College 2021
- Junior Prefect of Hindu College 2018

### Federation of Aspiring Mavericks

- Founder of Federation of Aspiring Mavericks Organization

---

## EXTRACURRICULAR ACTIVITIES

---

- Member of the Students' Union of the Informatics Institute of Technology, supporting event coordination and media activities.
- Active member of the IEEE Student Branch of IIT, participating in technical events and workshops.
- Participated in the 2025 IIT Annual Inter-House Sports Meet esports competition.
- Member of the Impeesa Rover Crew, engaging in youth development and leadership programs.
- Founder of the Federation of Aspiring Mavericks (FAM), leading youth empowerment initiatives.

---

## CERTIFICATIONS

---

- IEEEExtreme 19.0 – Participated in the 24-hour global competitive programming hackathon organized by IEEE.
- IEEEExtreme 19.0 – Participated in the 6-hour programming hackathon organized by IEEE.
- CodeRally 6.0 – Participated in a competitive programming challenge organized by IEEE Computer Society.

---

## REFERENCES

---

### Saicharan Gnanapiragasam

AI Intern | Embla Software Innovation PVT ltd

Mobile : [+94 752363922](tel:+94752363922) | Mail : [saicharan.codes@gmail.com](mailto:saicharan.codes@gmail.com)

### Sankeetha Elancheliyan

Assistant Lecturer | Informatics Institute of Technology

Mobile : [+94 772276419](tel:+94772276419) | Mail : [sankeetha.e@iit.ac.lk](mailto:sankeetha.e@iit.ac.lk)