

GAYATHMI MOHOTTIGE

SOFTWARE ENGINEERING UNDERGRADUATE

 +94-724003092

 gayathmimohottige@gmail.com

 www.linkedin.com/in/gayathmi-mohottige-4328b6294

PERSONAL STATEMENT

Driven software engineering student with a strong foundation in programming and software design principles, eager to expand my skills in a professional setting. I bring a genuine enthusiasm for technology and a commitment to continuous learning, always aiming to contribute meaningfully to team-oriented projects and deliver high-quality results. I look forward to applying my technical knowledge and collaborative spirit to make a positive impact within a dynamic team.

EDUCATION

BEng (Hons) Software Engineering Informatics Institute of Technology	2023 - 2027
<ul style="list-style-type: none">Software development I - 86Software development II - 87Mathematics for computing - 88Computer system fundamentals - 92Web design and development - 80Object-oriented programming - 86	<ul style="list-style-type: none">Database systems - 86Software engineering principles and practices - ongoingSoftware Development Group ProjectAlgorithms - ongoingServer Side Web Development - ongoing
GCE Advanced Level Sri Sumangala Balika M.V	2022
<ul style="list-style-type: none">Passed with 1C and 2S in physical science stream	
GCE Ordinary Level Panadura Balika M.V	2019
<ul style="list-style-type: none">Passed with 9A	

TECHNICAL SKILLS

- Programming Languages:** Java, JavaScript, TypeScript, Python
- Web Development:** HTML, CSS, React
- Backend Development:** Express.js, Node.js, Spring Boot, PHP
- Database & Storage:** PostgreSQL, MySQL
- Design & Prototyping:** Figma
- Version Control & Collaboration:** Git, GitHub
- Other Tools & Technologies:** REST APIs, Postman

SOFT SKILLS

- Problem-Solving
- Teamwork & Collaboration
- Adaptability
- Time Management
- Attention to Detail

ACHIEVEMENTS

- Member of the Rotaract Club of IIT (2024 – present)
- Member of the IEEE Computer Society (2025)
- Member of the Leo Club of IIT (2023 – 2024)

PROJECTS

- **EleEYE - an elephant road safety and early warning system in Sri Lanka (ongoing)**

Developed the backend for the community report features of the EleEYE. Implemented API endpoints using Node.js, TypeScript, Express, and PostgreSQL to handle user-submitted elephant sightings and integrate them with real-time AI-detected locations. Designed the system to automatically expire community reports after 30 minutes while retaining AI-detected alerts for continuous monitoring.

Developed the backend for the map screen, enabling real-time elephant detection and journey tracking. Implemented REST APIs and WebSockets using Node.js, Express, and Supabase to fetch, store, and stream live elephant locations.

- **Marketing website for EleEYE**

Designed and developed a fully responsive landing page for EleEYE using Javascript, HTML and CSS. Implemented dynamic animations, interactive counters, and mobile-friendly navigation to enhance user experience. Integrated social media links and real-time statistics to effectively communicate the project's impact.

- **Ticket manager system using Spring Boot and React**

Developed a full-stack ticketing system with a Spring Boot (Java) backend and a React.js frontend. Implemented manual concurrency control for vendors adding tickets and customers retrieving them. The frontend, built with React.js, features real-time logs, a live ticket pool meter, and a dynamic chart showing ticket transactions. Integrated RESTful APIs, MySQL for data persistence, and ensured seamless frontend-backend communication.

- **Plane seat management system using Java**
- **Progression outcome prediction program using python**
- **Healthcare shop using JavaScript, HTML, and CSS**

REFERENCES

Kushan Bhareti

Visiting Lecturer – Informatics Institute of Technology

Director – Inforwaves (Pvt) Ltd.

+94-767814281

kushan.b@iit.ac.lk

Bandula Edirisinghe

Manager – Application Support

eBuilder

+94-777419034

bandula.edirisinghe@ebuilder.com