

# Midhun G Kaimal

✉ midhungkaimal@gmail.com ☎ 8129890170 ⬇ Thrissur, Kerala



## Profile

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Final-year B.Tech Computer Science and Engineering student with a strong foundation in programming, web development (HTML, CSS, Flask), and problem-solving. Experienced in designing and implementing user-centered applications and collaborating effectively in team environments. Active IEEE member recognized for leadership, communication, and adaptability. Passionate about leveraging technology to develop innovative solutions and eager to contribute to mission of driving intelligent, client-focused systems.

## Education

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**B.Tech in Computer Science and Engineering**, *Sahrdaya College of Engineering and Technology*  
CGPA:8.19(Till date)

2022 – 2026

## Skills

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**Languages**  
C,Python, Java

**Database**  
MySQL

**Web Technologies**  
HTML, CSS,

**Tools & Libraries**  
Git, OpenCV, canva

**Frameworks**  
Flask

**Soft Skills**  
Initiative-driven, Clear communicator, Collaborative mindset

## Awards & Recognition

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**IEEE IES SYP Congress 2024 - Travel Grant Recipient**

**Winner - TechX Infinia Hackathon, IEEE Sahrdaya SB**

## Leadership Experience

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### Membership Development Coordinator

01/05/2025 – Present

Recently appointed to lead membership growth and engagement strategies across the IEEE EMBS Kochi Subsection, representing over 3+ student branches. Initiated planning of targeted outreach campaigns aimed at increasing student membership and strengthening inter-branch collaboration. Currently laying the foundation for measurable growth through strategic planning and stakeholder coordination.

## Projects

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### Intolerant AI - Allergy Detection from Gel Electrophoresis Images

Developed an AI-powered solution using machine learning and image processing to classify allergens in food samples. Built using Python and OpenCV with an emphasis on distributed data processing and real-time monitoring. Improved detection speed and reliability, showcasing problem-solving skills and practical application of algorithmic thinking.

### ThriftyEats - Food Waste Reduction Platform

Designed and developed a full-stack web application using Python, Tkinter, and MySQL to connect restaurants with NGOs for leftover food donation. Enabled efficient CRUD operations and intuitive user interaction. Facilitated outreach between 10+ restaurants and NGOs, demonstrating both technical development and user-focused coordination.

### HealTrip - Mental Wellness Travel Web App

Built a service-based platform using Flask and SQLite to connect individuals seeking mental wellness with curated travel opportunities. Implemented user authentication, session management, and dynamic content rendering. Emphasized engaging digital experiences and service branding to connect users with wellness opportunities.

## Certifications

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**Intel AI Certification**  
Intel Corporation - 202

**Prompt Engineering Essentials**  
Google

**Google AI Essentials**  
Google