

# MARIA THOMAS

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GitHub: <https://github.com/mariathecreator>

Kottayam, Kerala

## ACADAMIC PROJECT

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### Final Year Project: Vehicle Accident Detection and Alert System (01/2023 – 06/2023)

- Documented and functionally analyzed an Arduino-based IoT system for real-time vehicle accident detection.
- Worked with sensors like GPS, GSM, and accelero-gyro modules integrated via Arduino UNO.

### IoT-Based Car Parking System (09/2023 – 05/2024)

- Prepared structured documentation and participated in system planning.
- Assisted in Django backend setup with ESP32 and ultrasonic sensor integration for real-time parking management.

## EXPERIENCE

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### Personal Portfolio Website

- Developed and designed a responsive HTML/CSS portfolio site to showcase projects and contact details.
- Hosted live at: <https://mariathecreator.github.io/my-profile/>

## EDUCATION

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### B.Tech in Computer Science & Engineering

Mangalam College of Engineering, Ettumanoor | CGPA: 4.0 | 2020–2024

### Higher Secondary

St. Sebastian's HSS, Ayarkunnam | Percentage: 71% | 2018–2020

## SKILLS

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Coding: C, HTML, CSS

Tools: VS Code, Git (basic), Arduino

Core Concepts: IoT, Web Design, Technical Documentation

## CERTIFICATIONS

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Cloud Computing with AWS (AWS-C004) – Cognizant Foundation Tech4All Program

Grade B | Feb 2023 – Jun 2023

## **ACHIEVEMENTS**

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- District Level Winner – Young Innovators Programme 4.0  
Project: Nerissa – Addressed environmental concerns from water hyacinth by converting it into useful material.
- Conference Presenter – ICCIDT 2K24  
Presented IoT-Based Car Parking System at Mangalam College of Engineering.