

MUGESH P

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Career Objective

I am an Innovative and disciplined Information Technology student with strong technical, leadership, and problem-solving skills. Passionate about developing impactful software solutions, IoT systems, and microcontroller-based applications, while contributing to organizational growth through continuous learning.

Educational Qualifications

- **K. S. Rangasamy College of Technology, Tiruchengode**

Bachelor of Technology (Information Technology)

2023 - 2027

CGPA: 7.68 (Up to the 5th Semester)

2022 - 2023

- **Diamond Jubilee Higher Secondary School**

Percentage: 76.6% (HSC)

Projects

- **Smart Plant Watering System using ESP32 and Blynk IoT**

Designed an IoT-based irrigation system using ESP32 to monitor soil moisture levels and control plant watering. Integrated soil moisture sensors and enabled real-time monitoring through the Blynk IoT cloud platform. Implemented automatic pump activation based on sensor threshold values with remote monitoring through a mobile application.

- **UiPath Shopping Robot Project**

Automated product search and cart operations on an e-commerce website using UiPath Robotic Process Automation (RPA). Built automation workflows in UiPath Studio using UI selectors and web automation activities to navigate webpages, identify products, and add items to the shopping cart.

- **Construction Management Web Application**

Developed a responsive construction management system to manage workforce activities and site operations. Implemented automatic attendance tracking, work progress updates, and material request management through a centralized dashboard. Built the backend using Spring Boot (Java) and designed the frontend using HTML, CSS, Bootstrap, and JavaScript for dynamic UI interactions, form validation, and REST API integration.

Technical Skills

- **Programming:** C, Python, Java, JavaScript
- **Web Technologies:** HTML, CSS, Bootstrap,
- **Database Technologies:** MySQL
- **Frameworks:** Spring Boot
- **IoT & Embedded Systems:** ESP32, Sensor Integration
- **Tools:** GitHub, UiPath Studio

Certifications

NPTEL Elite Certification – Design and Implementation of Human-Computer Interfaces

IIT Guwahati – Oct 2024

Oracle Certified Professional – Oracle Cloud Infrastructure 2025 Generative AI Professional

Oracle University – Oct 2025

