

GOVATHAYAGAN R

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SUMMARY

I am a final-year Electronics and Communication Engineering student with a deep interest in embedded systems, IoT, and automation. I enjoy learning independently and applying concepts through hands-on projects and internships. I work well with others and always aim to contribute meaningful, practical solutions. I'm excited to grow in a professional environment where I can keep learning and building.

SKILLS

Programming Languages: C, Python, Embedded C

IoT & Embedded Systems: Arduino, Thonny, Raspberry Pi, ESP32

Developer Tools: Word, Excel, Power Point, Canva, Blender, Ansys

Soft Skill: Creativity, Problem-solving, Professionalism, Willingness to learn, Responsibility

PROJECTS

4WD Robotic Arm Vehicle

Mar 2025

- Built a 4WD robotic vehicle with a 5-DOF arm for automated dustbin pickup and disposal.
- Programmed ESP32 and developed a Bluetooth control app using MIT App Inventor.

IoT-Based Door Lock System

Oct 2024

- Created a smart door lock system with remote access and user authentication.
- Analyzed user data to improve app usability and supervised feature enhancements.

Smart Street Light System

Jun 2023

- Designed an automated lighting system using LDR and piezoelectric sensors.
- Enabled dynamic brightness control based on ambient light and vehicle movement.

INTERNSHIPS

• Embedded Systems Intern – Global Techno Solutions

Jul 2025

• VLSI Design Intern – Qmos Technologies

Feb 2025

• Embedded Systems & IoT Intern – Polenza Tech Solutions Feb 2024

Feb 2024

EDUCATION

Tagore Engineering College

Nov 2022 -Present

- BE in Electronics and Communication Engineering
- CGPA: 7.65

St Thomas Higher Secondary School

Aug 2020 - May 2022

- Higher Secondary Education | 12th

Modern Matriculation School

Mar 2020

- Secondary Education | 10th

CERTIFICATIONS

- Introduction to Internet of Things (NPTEL)
- Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL)
- Web Dev on IoT Workshop – Inetz

ACHIEVEMENTS

- Represented school in badminton competitions, demonstrating discipline and team spirit.
- Served as an NSS volunteer, contributing to community service and leadership activities.
- Maintained 100% attendance in 10th grade and during 1st, 2nd, 3rd, 6th, and 7th semesters of engineering.