

# YASHASH M

ELECTRONICS AND  
TELECOMMUNICATION ENGINEER

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## OVERVIEW

Recent Electronics graduate skilled in C, C++, Python, Java, and MATLAB, now pursuing a software development career. Hands-on with Arduino and Raspberry Pi, with standout projects like Facial Recognition Door Lock and Automated Greenhouse Monitoring. Strong in problem-solving and algorithmic thinking, passionate about building scalable applications in IoT, embedded systems, and full-stack development to drive real-world impact.

## EDUCATION

### BE in Electronics and Telecommunications

Sri Siddhartha Institute of Technology (6.90 CGPA)  
2021-2025

### Pre-University

Sri Basaveshwara PU College (83%),  
2019-2021

### Secondary School Leaving

Sri Sathya Sai Modern Public School (84%),  
2018-2019

## PROJECTS

### Automated Greenhouse Monitoring System | April 2023

Designed an automated system that detects soil dryness and waters plants, enhancing greenhouse efficiency and plant health.

### Protection for Cropping Area | April 2023

Developed a security system for crop fields that automatically detects unauthorized entry, safeguarding crops from intruders.

### Facial Recognition-Based Door Lock System | Oct 2023

Created a door lock system using facial recognition technology to match and identify faces, ensuring secure and automated access control.

### RFID-Based Emergency Traffic Clearance for Ambulance | Jan 2024

Implemented an RFID system that detects ambulances and clears traffic by turning signals green, facilitating swift passage through intersections.

### Robocultivator with Aquasmart irrigation | Oct 2024

Built an ESP32-powered robot with sensors and solar power to automate various farming activities, improving sustainability and reducing manual labor.

## LEADERSHIP

- Co-Ordinator, High-Q Student Club
- Joint Secretary, Design Team Head, Convenor, SSIT-IEEE-SB Student Branch
- Branch Representative, 3rd Year
- Chairman, IEEE-CASS Student Branch

## SKILLS

- C
- C++
- Python
- JAVA
- MATLAB
- DBMS
- SQL
- Communication
- Leadership
- Teamwork
- Critical thinking
- Time management
- Adaptability

## CERTIFICATIONS

- Process Mining from Celonis
- Privacy and Security in Online Social Media from NPTEL
- Basics of CSharp From Infosys SpringBoard
- Citizen Data Science using Python Certification

## Language Proficiency:

- English: Advance
- Kannada: Proficient
- Hindi: Proficient

## Paper Published:

Robocultivator with Aquasmart irrigation | - 2025