

# Sivabalan T

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## EDUCATION

### ANNA UNIVERSITY

BE in Electrical and Electronics  
Engineering

St. Joseph's College of  
Engineering and Technology  
CGPA: **8.5** / 10

### GOVERNMENT HIGHER

SECONDARY SCHOOL, ALATHUR

HSE – State Board  
2018- 2020 | Thanjavur, Tamil Nadu

## LINKS

**LinkedIn:**// SivabalanT

**YouTube:**// Sivabalan\_t38

**Github:**// SivabalanT38

**Twitter:**// @SivaBalan\_t38

**Quora:**// Siva Balan

## SKILLS

### TECHNICAL SKILLS

AutoCAD  
Revit (BIM)  
Internet Of Things  
Circuit Design and Analysis  
PCB Design (Ki CAD)  
Fusion 360  
Arduino IDE

### SOFT SKILLS

- Leadership
- Teamwork
- Adaptability
- Critical Thinking
- Decision Making
- Problem-Solving
- Creativity
- Flexibility

## EXPERIENCE

### Software Trainer and Developer

Training Institute / Jadayu | June 2024 – Present

- Trained over **50 students** on **AutoCAD, Revit**, and embedded systems with a **90% satisfaction rate**, developed 5+ custom courses improving learning outcomes by **30%**, and reduced troubleshooting time by 20% during live sessions through proactive problem-solving.

Industry 4.0 (Digital Twin) | Vi Micro Systems | 2023 – 2024

- Proficient in Industry 4.0 concepts, specializing in digital twin technology for simulating, monitoring, and optimizing manufacturing and industrial processes.

### Embedded System Design- Board Development and Debug | InGage

Nov 2022 – Apr 2023

- Skilled in embedded system development, including board bring-up, firmware, driver integration, and hardware/software troubleshooting.

## CERTIFICATIONS

- AutoCAD Electrical Certification
- Revit MEP Certification
- PLC & SCADA Certification
- Electric Vehicle Design
- Google Digital Marketing Certification

## PROJECT

### AUTONOMOUS FIRE FIGHTING ROBOT

- Designed and implemented an autonomous firefighting robot using Arduino, integrating hardware and software components for effective flame detection and obstacle avoidance.

### FARMBOT: DESIGN AND IMPLEMENTATION OF AN AGRICULTURE ROBOT FOR PRECISION FARMING

- Developed an Agriculture robot to perform precision farming tasks like planting, watering, and monitoring crops, integrating stepper motors, sensors, and computer vision for optimal agricultural efficiency.