

# RAGAVI T

## ELECTRICAL & ELECTRONICS ENGINEER

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### PROFILE

Accomplished Electronics and Electrical Engineer with a proven track record in delivering efficient and sustainable infrastructure solutions. Adept at driving innovation and solving complex engineering challenges through continuous learning and collaborative teamwork.

### TECHNICAL SKILLS

- Proteus
- RS logix 500
- Altium
- MATLAB
- Fusion 360
- Tinkercad

### SOFT SKILLS

- Problem-solving
- Adaptability
- Optimistic

### EXPERIENCE

- **PASUMALAI 110KV SUB-STATION-Madurai (Industrial Visit)**

July 2022

Gained hands-on experience in high-voltage substation operations, including transformer functionality, circuit breaker and isolator mechanisms, SCADA system integration, and fault detection and load management practices.

- **PERIYAR POWER HOUSE-Theni (Industrial Visit)**

Mar 2024

Acquired hands-on experience in hydroelectric power generation, encompassing turbine operation, water flow control systems, penstock and surge tank functionality, powerhouse layout, and load dispatch and energy output monitoring.

- **National Small Industries Corporation Technical Services Centre-Chennai (Intern)**

July 2024-Aug2024

Designed and simulated embedded circuits using Proteus, developed foundational PLC programs with RSLogix 500, integrated IoT technologies for real-time industrial automation monitoring and control, and developed mobile applications using Android Studio for enhanced user interface and control.

- **Forge Innovation & Ventures- GCES Trichy (Protosem 2.3 Internship trainee)**

Feb 2025-June 2025

Developed mobile applications using Android Studio and MIT App Inventor, designed 3D models with Fusion 360 and Tinkercad, and enhanced logical and creative thinking skills through hands-on projects.

### EDUCATION

- Bachelor of Engineering in **Electrical and Electronics Engineering** at Government College of Engineering Srirangam, Trichy. Year of Passing 2025. CGPA-8.2
- HSC at St.Mary's Girls Higher Secondary School, Kotagiri-643217. Year of Passing 2021. Percentage-87%.
- SSLC at St.Mary's Girls Higher Secondary School, Kotagiri-643217. Year of Passing 2019. Percentage-85.2%.

### PROJECTS

- **Automated Concrete 3D printer for Construction**

Developed and integrated an extrusion unit for a construction 3D printer, optimizing material flow and minimizing waste for efficient, layer-by-layer building material deposition.

- **Automation Smart Irrigation system**

Integrated IoT technology for remote monitoring and control in irrigation systems, optimizing water usage and enhancing crop yield through data-driven scheduling.

### CERTIFICATIONS

- Design & Development of industrial embedded with IoT
- Telecom Terminal equipment application developer(Android Application)
- Learning Altium License
- PLC Program Flow and Control Instruction License

### ADDITIONAL INFORMATION

- **Languages:** Tamil, English.
- **Awards/Activities:** Design of poem first price, Ball Badminton Zonal Winner, Vice captain of Ball Badminton Women team (2025)

### DECLARATION

I hereby declare that the above information is provided to the best of my knowledge.