SAKTHI RAJA V

EMBEDDED ENGINEER

CONTACT

Phone:
7339208699

Email Address:
sakthiraja030@gmail.com

SOFT SKILLS

- Teamwork
- Time Management
- project management

TECH SKILLS

- Python
- flutter (dart code)
- Embedded c
- Embedded system design
- PCB Designing
- 3d printing machine
- 3d designing
- Web Development

SOFTWARES & TOOLS

- STM CUBEMX
- NXP 32
- TS MASTER
- KICAD
- ESP IDF TOOL

LANGUAGES

- English
- Tamil

PROFILE

I am V. Sakthi Raja, an enthusiastic Electronics and Communication Engineering student with strong knowledge in embedded systems, PCB design, and embedded project development. I also have interest and growing skills in 3D design, app, and web development. I am a hardworking and dedicated individual passionate about building innovative solutions in the embedded systems field.

EDUCATION

Bachelor of Electronics and communication

grace college of engineering, thoothukudi.   2022-2026

PROJECTS

Low-Cost 3D Printer

Designed and developed a low-cost 3D printer from scratch, covering both prototype and final product stages. The project involved mechanical design, electronic control using embedded systems, and firmware configuration for precise printing. Focused on cost efficiency, accuracy, and open-source hardware integration.

Bluetooth-Controlled Digital Scrolling Display

Developed a Bluetooth-enabled digital clock with scrolling display using microcontrollers. The system displays time, date, and temperature on an LED matrix, and allows wireless text updates via Bluetooth. Integrated RTC module for real-time accuracy and designed smooth scrolling text effects for better visual presentation.

Tech Nova App

Developed the Tech Nova mobile application using Flutter, providing a user-friendly interface for electronics projects, tutorials, and resources. Implemented features for component categorization, project tracking, and interactive learning, focusing on a smooth cross-platform experience.

ACHIEVEMENTS & HACKATHONS

Completed 1-month internship at ANCIT Consulting, working with NXP32 and STM32 microcontrollers.

Participated in Naan Mudhalavan Hackathon and a District-Level Hackathon, developing innovative solutions.

Attended a workshop on Cloud Computing with Jetson Nano, gaining hands-on experience in AI and IoT integration.