



Nithimaran

Contact

- +91 8072440685
- nithimaran1233@gmail.com
- Thanjavur
- [NITHIMARAN S S](#)
- [NITHIMARAN \(portfolio\)](#)
- [nithi1233](#)

About Me

Enthusiastic and innovative ECE student skilled in embedded systems, AI, and VLSI design. Adept at developing real-time applications and interested in building impactful, smart technology solutions for everyday life.

Skills

- STM32 microcontroller (STM32CubeIDE)
- Edge AI applications
- PCB Design (EAGLE)
- Proteus with C programming
- Verilog coding (ModelSim)
- MATLAB
- 3D design using Fusion 360

Education

- Bachelor of Engineering in Electronics and Communication Engineering**
Kongu Engineering College, Erode
2023 – 2027 | Current CGPA: 8.09/10
- Higher Secondary Certificate**
Little Rose Matriculation Higher Secondary School, Orathanadu
2020 – 2023 | Completed both higher secondary and entire schooling from this institution.

Projects

- Alert System for Car Accidents** 2025
Developed a system to send real-time emergency messages to hospitals, police, and the car owner's emergency contacts in case of accidents.
- Smart Traffic Management System** 2025
Used YOLO to detect traffic density and dynamically adjust signal timings. Developed a website with user and admin panels for monitoring and control.
- Speech-to-Animation video**
Future Plan:
Working on converting voice to animated sign language videos to help differently-abled users, aiming to integrate this into a smart product.

Achievements

- Paper Presentation** 27/09/2024
Won 2nd Prize in Paper Presentation on "E-Vehicle and Battery" at Tech Thirst I, Kongu Engineering College

References

Dr.S.Sudha

Assistant Professor

Phone: 9500925588

Email: sudha.ece@kongu.ac.in

P.Gowri

Assistant Professor

Phone: 8220006455

Email: gowri.ece@kongu.ac.in