PRADEEP J

Nambiyur | pradeep19112003j@gmail.com | +91-9842496888

Github-Pradeepj57 | Linkedin-Pradeep

Education

Dr. N.G.P Institute of Technology, Bachelor of Electronics and Communication Engineering	September 2021 – May 2025 Coimbatore, Tamil Nadu

- CGPA: 7

Kumutha Matriculation Higher Secondary School, Higher Secondary Education	July 2020 – April 2021 Nambiyur, Tamil Nadu

- Percentage: 76

Shree Gurukulam Higher Secondary School, Secondary School Leaving Certificate	July 2018 – April 2019 Gobi, Tamil Nadu

- Percentage: 71

SKILLS

Languages: C, C++, JavaScript, SQL

Web Technologies: HTML, CSS, React.js, Git, Github

INTERNSHIP

VASANTHA ADVANCED SYSTEMS   June 2025

- During a 1-month internship, gained hands-on experience in schematic creation and electronic hardware development. Worked with industry tools for routing, component placement, and preparing fabrication files.Enhanced understanding of signal integrity, design rules, and manufacturing process.

Projects

Task Tracker

- A web-based application that helps users organize, track, and prioritize their daily tasks efficiently. Built with React for a seamless user experience, it offers real-time updates, progress tracking, clean, responsive interface.
- Tools Used: HTML, CSS, Javascript, React JS.

Smart Traffic Management for Ambulance Priority Using RF Detection and Image Processing   March 2025

- Traffic Signal Controller presents an intelligent traffic signal system designed to detect and prioritize ambulances using RF transmitter and receiver.
- Tools Used: ESP32, Arduino IDE, Python.

Publications

Smart Traffic Management for Ambulance Priority Using RF Detection and Image Processing   March 2025

Pradeep J, Sanjit K K, Selva lakshmi J, Sudhan R

International Conference on Computational Intelligence (ICCI – 2025)

CERTIFICATIONS

- Elite certificate in the course of Introduction to Industry 4.0-NPTEL.
- LIFT OFF Drone workshop at DRNGPIT.
- Presented project in 24 hours IEEE Tekozura 2k23 Hackathon.
- IoT Application Design using LoRaWAN Technology, Enthu Tech, Coimbatore.
- Product Design and Manufacturing at Sunshiv Electronic Solutions, Coimbatore.