

# PRADEEP J

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

Github-Pradeepj57 | LinkedIn-Pradeep | Portfolio

## Education

<b>Dr. N.G.P Institute of Technology</b> , Bachelor of Electronics and Communication Engineering	September 2021 – May 2025 Coimbatore, Tamil Nadu
• CGPA: 7	
<b>Kumutha Matriculation Higher Secondary School</b> , Higher Secondary Education	July 2020 – April 2021 Nambiyur, Tamil Nadu
• Percentage: 76	
<b>Shree Gurukulam Higher Secondary School</b> , 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

<b>VASANTHA ADVANCED SYSTEMS</b>	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.

<b>Smart Traffic Management for Ambulance Priority Using RF Detection and Image Processing</b>	March 2025
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- 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

<b>Smart Traffic Management for Ambulance Priority Using RF Detection and Image Processing</b>	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.