

# MANISH

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## Summary

Highly motivated Electronics and Communication Engineer with expertise in PCB design and proficiency in ThinkerCAD, Simulink, Python, and C programming. Eager to leverage this combined skillset to develop and optimize complex electronic devices, integrate hardware and software for embedded systems, and contribute to innovative product design. Committed to continuous learning and staying updated on emerging technologies within the field.

## Education

### St. Joseph Engineering College

Mangalore  
8.74 CGPA  
Bachelor of Engineering  
**2021 - 2024**

### Vivekananda Pre-University College

Puttur  
91.66%  
12th Grade PCME  
**2020 - 2021**

### Vivekananda High School

Puttur  
90.40%  
10th Grade  
**2019**

## Projects

### IOT based low cost LPG gas detector

- Designed for proactive safety by remotely monitoring for gas leaks.
- Using Arduino IDE, ESP8266 and Blink software.

### Chatbot for personal Carbon footprint calculator

- Designed for calculate carbon footprint for pesonal and industiral use.
- Using Python language and Gradio tool.

### Ultrasonic parking senor

- Designed to aid drivers in parking maneuvers by providing a warning system for nearby obstacles.
- Small and compact design.

## Internship

### Internship traning department of CNS, Mangaluru International Airport

- Analyzed the theoretical underpinnings of Instrument Landing Systems and VHF Omnidirectional Range for aircraft navigation during my internship at AAI's CNS department.
- Gaining a strong understanding of radar antenna communication and its role in air traffic management.
- Uses Analog and digital communication in AIRPORT

## Skills

### Python Programming

### HDL / VHDL

### Tools

Intermediate  
Tinker Cad, Microsoft Excel, Microsoft Word, MATLAB, SIMULINK

### C++ Programming

### Cadence

## Certifications

### Python

Kaggle

### TCS iON Career Edge -Young Professional

### Salesforce Administrator Virtual Internship

Salesforce

### VLSI SoC Design using Verilog HDL

MAVEN Silicon

### MathWorks Introduction to Statistical Method with MATLAB

MathWorks

### Introduction to Programming with MATLAB

coursera