Manish

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Summary

Highly motivated Electronics Engineer specializing in PCB design, MATLAB, Python and C programming.Excited to integrate hardware and software for embedded systems, optimize electronic devices, and drive innovative product design. Committed to continuous learning and staying ahead in emerging technologies.

Education

St. Joseph Engineering College Mangaluru,Karnataka	Expected graduation date: June. 2025
B.E. in Electronics and Communication Engineering	*GPA: 8.74/10*
Vivekananda Pre-University College Nehru Nagar,Puttur	Graduated date: July. 2020-2021
12th Grade in PCME	*Percentage: 91.67*
Vivekananda High School Tenkila,Puttur	Graduated date: April. 2019
10th Grade	*Percentage: 90.44*

Projects

IoT based low cost LPG gas detector — Aug. 2023

Focused on detecting the LPG gas leakage — *Arduino IDE, ESP8266, Blynk, APL*

- Designed for proactive safety by remotely monitoring for gas leaks
- Achieve high sensitivity and accuracy in detecting even minor gas leaks, ensuring early warning and prompt action.

Personal Carbon footprint calculator — Mar. 2024

Focused on calculating the carbon footprint — *Python,Gradio,Google colab*

- Developed a real-time carbon footprint calculator using Python.
- The interface was designed using Gradio software.

SOLARIUS — Aug. 2024

Solar Panel Cleaning System without using water — *On going*

- Designed a system to compensate for the loss in efficiency caused by dust accumulation.
- Achieve significant water savings by eliminating water-based cleaning methods.

Internship

Internship traning department of CNS, Mangaluru International Airport — 30 Oct. 2023 - 24 Nov. 2023

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

Skills

Languages:

C , C++ , Python , HDL / VHDL , HTML.

Technologies & Tools:

MATLAB , SIMULINK , Tinker Cad , Microsoft Excel, Microsoft Word , Cadence .

Certification

Achievement and Certificate

Python Programming	*Kaggle*
TCS iON Career Edge - Young Professional	*TCS iON*
Introduction to Programming with MATLAB	*Coursera*
Salesforce Administrator Virtual Internship	*Salesforce*
MathWorks Introduction to Statistical Method with MATLAB	*MathWorks*
VLSI SoC Design using Verilog HDL	*MAVEN Silicon*