NARENDRAN S

SKILLS

- MATLAB
- Python
- Printed Circuit Board
- Web Development
- Computed Aided Designing
- IoT
- C
- Open CV
- Industrial Automation
- LABVIEW

RELEVANT COURSES

- Control Systems
- Signals and Systems
- Internet of Things
- Industrial Instrumentation

EDUCATION

Government College of Technology, Coimbatore, Tamil Nadu.
B.E – Electronics and Instrumentation Engineering
(2019 – 2023) CGPA: 8.54

Sengunthar Higher Secondary School, Erode, Tamil Nadu.
HSC (2019) Percentage - 92.8%
SSLC (2017) Percentage - 90.8%

INTEREST

- Team management
- Research and Development
- Product Development
- Community Development

CONTACT

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HOBBIES

- Playing Badminton
- Writing
- Miniatures
- Dancing
- Reading

PROFILE SUMMARY

An Engineer from the graduating batch of 2023, with interest in control, Robotics, Computer Vision and IoT. Seeking an intern position in the IoT domain and control

WORK EXPERIENCE

Team Screwtenizers (All-terrain Vehicle Team) **Electrical Member**
September 2020 – Present
- Data Acquisition in Vehicle Transmission using Arduino a microcontroller.
- Designed a Steering System using SOLIDWORKS CAD tool.

NALVision India Ltd **Intern**
November 2021 – February 2022
- Had a experience with various dev boards (raspberry pi, Heltec LoRa, TTGo.
- Working on numerous protocols such as LoRa, ESPNow, BLE-Beacon.
- Industrial Exploration like RTOS, IoT Core, Communications – RS435.

Pantech Solution **Intern**
October 2020 – November 2020
- Developed a neural network model using keras, Pytorch and trained the model using Haarcasde Algorithm.
- Developed a solution for road sign detection using OpenCV.
- Developed a solution for detecting diseases in a leaf using OpenCV.

PROJECTS

Object Tracking Based on Color	• Developed an AI based model to track an object based on its color using OpenCV.
Vocabulary based Memory Game	• Created a Vocabulary based memory game in C.
LED Lights Based Memory game	• Created a LED based memory game using Arduino.
Human Machine Interface based Mini Robot	• Developed a web based Human Machine Interface Robot using ESP32 Microcontroller, L293 Motor Driver.

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

- Google Hash Code Ranker – Participated in a C Hash Code competition conducted by google at National Institute of Technology, Tiruchirappalli. Rank within the top 5%.
- Freelance Website and Printed Circuit Board designer (Sample Work)
- Doing research in Photovoltaic Thermal System installed at college hostel premises to improve the efficiency of the solar panel as well as the water heating system.
- Doing research in "Energy Harvesting from Light Emitting diodes"
- Built "ELECTROCUIT" a platform for electronics enthusiast.
- Active Member of TEDxGCT Team.
- Member of the team responsible for maintaining the website of IEEE Ocean Engineering Society (IEEEOES)
- Received the "Academic Topper Award" at School for securing the highest marks in class 12 examination among 350 Students.
- Published a research paper on IJEAST – ECG and Pulse Oxygen level Monitoring and Arrhythmia Classification using CNN