MURALIDHARAN P

Electronics and Communication Engineer

CONTACT ME

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⭐ https://www.hackerrank.com/muralidharanpas1

git https://github.com/Muralidharan2003

AREA OF INTEREST

- MERN Stack Developer
- Embedded Programming
- PCB design

TECHNICAL SKILLS

- C,C++
- Basics of Java and Python
- Data Structures and Algorithms
- HTML and CSS
- Basics of React JS,Node JS,ExpressJS, MongoDB

TOOLS

- Unity
- Arduino IDE
- KiCAD
- Adobe Photoshop

CAREER OBJECTIVE

Looking forward to secure a responsible career opportunity to fully utilize my skills for the growth of the organisation and to enhance my knowledge.

EDUCATION

- **BANNARI AMMAN INSTITUTE OF TECHNOLOGY**

  B.E Electronics and Communication Engineering
  CGPA: 8.91(Till 5th semester)

- **SRI VIJAY VIDYALAYA MATRIC HR SECONDARY SCHOOL**

  SSLC Percentage: 95.8%
  HSC Percentage: 87.8%

INTERNSHIP

TESSOLVE SEMICONDUCTORS
(VLSI design and Embedded IOT Programming)
- **ROLE:** Trainee
- Learnt Digital Electronics, Verilog Programming and worked on mini projects using embedded microcontrollers

PROJECTS

- **ENERGY MONITORING USING ESP8266**
  ROLE: *Team Leader*
  TEAM SIZE:3
  - *The integration of the Node-MCU,PZEM sensor, Relay helps monitor the power consumption of your house and the prototype is named as Smart Power Meter which could be replaced instead of the traditional energy meters in houses.*

ACHIEVEMENTS

- *Medallion for Excellence Winner at BRICS World Skills Competition, China(Oct-Nov 2022)*

- *Top 20 Finalist at Euro circuits PCB design contest, Belgium. I have been awarded 500 Euros to complete the prototype of my model.*

- *First Runner-Up at Cisco IOT Hackathon at BITS PILANI(May 2022) with Rs.3000 cash prize.*

- *Second Runner-Up Project Presentation in Dr.MGR University(April 2022)*

CERTIFICATIONS

- NI Certified Labview Associate Developer- 87.5%
  (Valid till May 2024)

- Introduction to Networks: CCNA (CISCO certified)

HOBBIES

- *Star gazing*
- *Reading books*

PERSONAL SKILLS

- Confident speaker with good communication skills
- Team management
- Art and craft
- Writing stories and quotes

PERSONAL INFO

- *Date of Birth   : 31 July 2003*
- *Nationality   : Indian*
- Father's Name   : Pasupathi N
- Mother's Name   : Vimala P
- Languages Known   : Tamil(R,W,S)
                                    English(R,W,S)

- **REMOTE PATIENT MONITORING SYSTEM USING ESP32**
  ROLE:*Hardware,PCB design*
  TEAM SIZE:3
  - *Remote health monitoring of patients through home health care technologies assists healthcare givers, medical personnel and physicians to reach out to patients without physical contact or presence of patients at clinics or hospitals.*

PATENT PUBLISHED

- Suicide Prevention Using Load Cell (Application Number:202341001727)
- Load cell is connected to the NodeMCU. NodeMCU receives data from the load cell continuously,if a person tries to hang using the fan it alerts the nearby hospital and management,

PAPER PRESENTATION

- Presented a paper titled "Smart Energy Meter" in NCAMMT Conference at Karpagam Academy of Higher Education

PROJECT PRESENTATION

- Presented a project titled "Remote Patient Monitoring using ESP32" at EW Project Challenge 2022 organized by Electronic Wings.

TECHNICAL COMPETITION

- Designed and Submitted a High-gain driver amplifier and Band pass filter at The Asia Pacific Microwave Conference 2022-Japan
- Presented an idea for the problem statement RF Energy Harvesting Implants at L&T Techgium 2022

DECLARATION

- I MURALIDHARAN P, hereby declare that the above written particulars are true to the best of my knowledge

(MURALIDHARAN P)