Nandhini Devaraj

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Objective

I am looking for a challenging job with a rapidly growing organization that can provide me with a range of goals and job objectives within a contemporary and economical business setting.

Experience

- **Sports accdamy**   2018 - 2019
  Trainer

Education

- **Vidhya nethrra matric higher secondary school**   2017
  SSLC
  60%

- **Nachimuthu polytechnic College.pollachi**   2020
  DECE
  88.89%

- **Dr.Mahalingam college of engineering and technology**   2023
  BE.ECE
  9.3(upto 5 th sem)

Skills

- Programming in c

- Programming in c++

- HTML

- Java

- Multisim

Projects

- **•Smart hydro lecture using internet of things**
  Smart agriculture or smart farming is the application of Internet of Things to growing crops with the potential of saving labor and resources, more fine-grained control in watering and fertilization, and more accurate gathering of information about planting environment. In this research, we developed a Smart Hydroponic farm using Internet of Things technology to investigate its benefits comparing with regular hydroponics farm. Lettuce was chosen as the testing crop. Our smart farm can monitor the growing environment and adjusts nutrient solution, air temperature, and air humidity according to the situation automatically. The results show that lettuces from smart farm has on the average around 36.59% higher weight, 17.2% more leaf, and 13.9% larger stem diameter than ones from a regular farm. The nitrate content of Smart farm lettuces is also 8.24% better.

- **Heart disease prediction using neural networks**
  Heart disease diagnosis is a complex task which requires much experience and knowledge. Traditional way of predicting Heart disease is doctor's examination or number of medical tests such as ECG, Stress Test, and Heart MRI etc. Nowadays, Health care industry contains huge amount of heath care data, which contains hidden information. This hidden information is useful for making effective decisions. Computer based information along with advanced Data mining techniques are used for appropriate results. Neural network is widely used tool for predicting Heart disease diagnosis. In this research paper, a Heart Disease Prediction system (HDPS) is developed using Neural network. The HDPS system predicts the likelihood of patient getting a Heart disease. For prediction, the system uses sex, blood pressure, cholesterol like 13 medical parameters. Here two more parameters are added i.e. obesity and smoking for better accuracy. From the results, it has been seen that neural network predict heart disease with nearly 100% accuracy.

- **Design of Area Efficient Carry select adder in 180nm PDK Technology.**
  The binary addition is the basic arithmetic operation in digital circuits and it became essential in most of the digital systems including ALU, microprocessors and DSP. Adders are the basic building blocks in digital integrated circuit based designs. Ripple Carry Adder (RCA) gives the most compact design but takes longer computation time. The time critical applications use Carry Look-ahead scheme (CLA) to derive fast results but they lead to increase in area. Carry Select Adder is a compromise between RCA and CLA in term of area and delay. This paper focuses on the design analysis of carry select adder based on Multiplexer using Verilog

Interests

- Very large scale integration
- Electronic device and circuits
- Embedded systems

Activities

- Bike racing
- Sports over the weekend

Implant Training

- Errammal textiles.A.N.patti pudur
- Joy textiles.pollachi
- Devi service center.sulur

Languages

- Tamil
- English
- Telugu

Additional Information

Certifications
1. National level running champion (3000m)
2. Under 18 4x400 relay(state level)
3.volley baller player (state level)
4. Hand ball (State level)
5.basket ball,kho-kho (state level)
6.Hurdling,high jump (district level)

Industrial Visited

- Visited BSNL exchange .madukarai, Coimbatore
- Visited SWELECT ENERGY SYSTEM,Edappadi,salem
- Wind care center.Gudimangalam, udumalpet

Personal Details

- Father's name   :   DEVARAJ.G
  Mother's name : VIMALA.D
  Date of birth.   : 02.04.2002
  Gender.   :   Female
  Nationality.   :   Indian
  Blood group.   :   B+ve

Declaration

- I hereby declare all the above given details are true to the best of my knowledge