SUSANTHIHA S

susanthiha2003@gmail.com
Pollachi, India
+91 9629226834
https://www.linkedin.com/in/susanthiha-s-6b8308225

Education

B.E Electrical and Electronics Engineering - Dr.Mahalingam College of Engineering and Technology 2021 – present | Pollachi
Current **CGPA** : **8.4**

12th - Bharathiya Vidya Mandir Matriculation Higher Secondary School 2019 – 2021 | Pollachi
Percentage 89%

10th - Bharathiya Vidya Mandir Matriculation Higher Secondary School 2018 – 2019 | Pollachi
Percentage 90.2%

Technical Skills

Programming Languages:
Python, Java , C

Technical Skills :
MATlab,LTspice XVII,tinkercad,
Express PCB

Professional Experience

PCB design Intern MCET- Electronics Manufacturing Skill Training Centre
Jun 2023 – Jun 2023 | Pollachi, India

- Developed a knowledge on PCB design by using Express PCB software.
- Done a hands-on project on water level indicator and designed the circuit by using tinkercad and express pcb.

Projects

REACTIVE POWER COMPENSATION USING STATCOM Jan 2024 – Apr 2024
MATLAB, STATCOM, Three phase source and RLC non-linear load.

- Reactive power regulation plays an essential role in maintaining luxuriant power system stability and ferocious power quality.
- STATCOM's ability to lower voltage fluctuations, maintain continuous control and react fast are highlighted as benefits over traditional reactive power compensation systems with an accuracy of 80%.
- My Contribution: Developed a circuit Simulation by using MATLAB simulink simulation.

MODELLING OF BOOST CONVERTER USING MATLAB
Power MOSFET,MATLAB,Inductor,capcitor and diode

- DC converters are widely used for traction motor control in electric automobiles, trolley cars, marine hoists, forklifts trucks, and mine haulers. Jul 2023 – Oct 2023
- The working of DC-DC Converter is the output voltage will be higer than the Input voltage by using MATLAB simulink simulation with an accuracy of 80%.
- My Contribution: Developed a circuit Simulation by using MATLAB simulink simulation.

FINGERPRINT BASED CAR IGNITION SYSTEM Jan 2023 – Apr 2023
Arduino nano, fingerprint sensor and LCD display

- Vehicle security is an important issue nowadays due to the rise in vehicle theft. This ensures the safety of the vehicle.
- Understanding of working of Arduino nano,LCD display, fingerprint sensor and all are used to run the 4wheel prototype vehicle with an accuracy of 75%.
- My Contribution: Developed hardware and programming language C into the Arduino nano by using Arduino IDE software.

Certificates

- C for beginners - Great Learning
- Basics of embedded system - IIES

Achievements

- Participated in idea presentation on aircraft GPS tracking - 2023 conducted by PCI
- Got A2 level certificate in Cambridge English BEC

DATE : 09/07/2024

PLACE : Pollachi

Signature: