SWATHI SHEKHAR

Email: swathishekhar07@gmail.com
LinkedIn URL: https://www.linkedin.com/in/swathi-shekhar-4a27251a1/
Contact: +919961874486

Electrical Engineer Graduate aim to find an exciting and challenging entry level Position alongside a company who will continuously motivate and drive me to do my best and improve on my skills and abilities in order to be able to assist the company in achieving its mission and goals.

TECHNICAL PROFICIENCY

PROGRAMMING LANGUAGES: C, C++, Python, Embedded C.
PROGRAMMING TOOLS: MPLAB, KEIL, PROTEUS.
MICROCONTROLLERS: PIC- PIC16F876A, ARM – LPC2148, CORTEX-LPC1768, AVR-ATMEGA128.
COMMUNICATION PROTOCOLS: SPI, I2C, UART.

EDUCATION

B.TECH – ELECTRICAL AND ELECTRONICS ENGINEERING
COLLEGE OF ENGINEERING TRIKARIPUR
CGPA: 7.14
2019

HIGHER SECONDARY EDUCATION
GOVERNMENT GIRLS HIGHER SECONDARY SCHOOL, MADAYI
CGPA: 9.16
2015

HIGH SCHOOL EDUCATION
PES VIDYALAYA EDAT
CGPA: 8.0
2013

SKILL HIGHLIGHTS

- Confident
- Quick Learner
- Flexible

PROJECTS

IoT Based Solar Photovoltaic Remote Monitoring and Control Unit

Implemented a cost effective methodology based on IoT to remotely monitor and control solar photovoltaic plant. The performance, monitoring and maintenance of the plant will highly enhance by using the IoT based Technology for observing solar photovoltaic plant. This will facilitate preventive maintenance and effectively helps to reduce man power.

High Gain DC-DC Boost Converter with Coupling Inductor and Simulation in PSIM

The high gain DC-DC converter with coupling inductor is design to boost low voltages to voltages into high range of 30 to 50 times input voltage. It is especially useful in boosting low solar panel voltage (12V) to high voltage, so that 230V AC can be generated. At the time the efficiency is also high and it is cost effective.

INTERNSHIP

ADVANCED DIPLOMA IN EMBEDDED SYSTEMS
QUEST INNOVATIVE SOLUTION KANNUR
AUG 2019- DEC 2019

- Planned, designed and developed prototypes for different embedded systems projects.
- Acquired good knowledge of basic communication protocols (I2C, SPI, and UART) and worked with different modules.
- Learned basic knowledge in Linux and Raspberry pi.

CERTIFICATIONS

Programming for Everybody (Getting Started with Python) – coursera

- This course aims to teach the basics of programming computers using Python.

Python Data Structures - coursera

- This course introduces the core data structures of the Python programming language.

Career Edge –Knock down the lockdown – TCS ION

- Specially created to effectively utilize the time during the lockdown in developing soft and hard skills to enhance and sharpen personality and knowledge.