**RESUME**

CH. SRINIVAS

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CAREER OBJECTIVE

An electrical engineer with a passion for EVs Application, in short term of learning the PG course in skill- lync for embedded system, microcontrollers and the related programming tools.

EDUCATION QUALIFICATION

PG certification program in embedded system for EV applications in skill lync | Chennai (present-2022).

Kakinada institute of technology and science diploma In electrical and electronics engineering. (2018-2021).

Zpp high school (SSC) completed in (2018) - ( 8.0)CGPA.

TECHNICAL SKILLS

Program Language : EMBEDDED C.

Target Platform : 8051, 8085, ATMEGA328.

SKILLS : STM32CUBE IDE, MICROCHIP STUDIO, CODEBLOCKS, ECLIPSE IDE,ARDIUNO,TALLY PRIME, MATLAB,AUTOCAD , MS OFFICE TOOLS.ESP8266,RASBERRY PI , PCB DESIGNING.

Testing & Debugging : LDRA Testsuite-TBRUN, TBVISION. Communication Protocol : CAN, SPI, I2C, UART.

Scripting Language : MAKEFILES, CMAKE.

Modelling & Simulation Tools : SIMULIDE, MBED, TINKERCAD, SIMULINK, MATLAB, AUTOCAD PROTTEUS PROFESSIONAL-8,ALTIUM DESIGN.

Exposed Standards : MISRA C, CERT C.

OS : WINDOWS, KALI LINUX, UBUNTU,RASBERRY PI.

WORKING EXPERIENCES

IAM READY TO WORK ON 1-YEAR TRAINING EXPERIENCE POSITION IN SKILL LYNC.

PERSONAL PROJETCS EMBEDDED C :

1. Implement the Code for controlling the retraction and extension of Airplane’s landing gear.

• In this project is controlling the retraction and extension of Airplane’s landing gear using finite state machine. here present number of states on the machine.

• The FSM is an advanced programming algorithm used in implementing supervisory logics

• The state diagram is elaborating the switch states.

# 2. Controlling a DC motor using PWM and monitoring its Running status

• Implement a system on the simulator for controlling a DC motor using L293 motor driver, monitor its status and print the running status of motor on the LCD Display.

• simulation of motor is one push button click motor run in clock wise direction

• 2nd step is use two push buttons first push button long press on push button1 and next click on second push button and motor is increase in speed.

• 3rd step is click on third push button and motor is anti clock wise direction will run

• the output is shown in LCD display

# 3.measuring distance of an object using ultrasonic sensor (HC-SR04)

• In this project, the implementation of code for “Measuring distance of an object using ultrasonic distance sensor (HC-SR04)

• Measuring the distance travelled by the wave to the object and gets bounced back from the object to sensor.

• Measuring Pulse width using Input Capture Mode.

* The distance travelled by a wave to the object for which we want to measure the distance using Ultrasonic Distance Sensor (HC-SR04).
* Measuring Pulse width using Input Capture Mode of Timer 1.

**4.Interfacing a 16\*2 LCD with Arduino using I2C protocol**

• In this project implementing the Code for “Interfacing a 16\*2 LCD with two Arduino’s (one for Master and one for Slave) using Inter-Integrated Circuit (I2C) communication protocol” by sending the message to LCD using I2C communication protocol and display the message on LCD screen.

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ACADAMIC PROJECT

1.MOTOR SYNCHRONIZATION

• the motor is running of 440v ac supply 50hz frequency

• connecting the ammeter and voltmeter checking the amphere and voltage.

• add the bulbs connections of ac supply bulbs will blink and showing result.

CERTIFICATIONS

• Embedded C Essential - Skill Lync Institution (2022)

• AVR Bare Metal Programming - Skill Lync Institution (2022)

• Software Verification And Validation And System Testing For Hand Code - Skill Lync Institution (2022)

• Certified ethical hacker course in (V11) in simplilearn in (2022).

• Fundamentals of Embedded Systems – skill Lync institution (2022).

• Hands-on offline workshop with Raspberry Pi IN SKILL LYNC IN (2023).

### • **Introduction to Physical Modeling using Simscape in skill lync institution (2022).**

• AUTOCAD & 2d electrical drafting&sensors in nxt generation engineers (2021)

EXTRACURICULAR ACTIVITES :

Participated Workshop on charging infrastructure ev systems in skill lync 2022

Hands-on workshop with Raspberry Pi in skill lync 2023.

LANGUAGE KNOWN

• Telugu (Read, Write, Speak) fluent.

• English (Read, Write, Speak) fluent.

Signature

Ch.srinivas