Annem Sukesh Reddy

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CAREER OBJECTIVE

An enthusiastic and a dedicated individual looking for a job that allows me to apply my academic knowledge and gain practical experience. Motivated to contribute to the success of the team while continuing to develop my skills.

EDUCATIONAL DETAILS

Sri Indu College of Engineering and Technology,Sheriguda
B. Tech in Electronics and Communication Engineering
2020 – 2024
CGPA: 8.38 / 10.0

Sri Chaitanya Junior College, Hayathnagar
Intermediate Education, MPC
2018 – 2020
CGPA: 9.6 / 10.0

SRM High School, Kodad
Secondary School Certificate 2018
CGPA: 9.2 / 10.0

SKILLS

Programming Languages: C, C++, Embedded C, Data Structures.
Microcontrollers: ARM7.
Operating Systems: Linux, RTOS.
Serial Bus Protocols: UART, I2C, SPI, CAN
Soft Skills: Communication skills, Teamwork, Problem-Solving.

PROJECTS

VECTOR PROJECTS:

1. **Title: Digital Clock using LPC2148 (On-chip RTC)**

   Tools Used: Keil uvision - C Compiler, Proteus, Flash Magic, LCD (HD44780), 4x4 Matrix Keypad, LPC2148 Microcontroller, AL Switch.

   Project Description: This project displays RTC information on an LCD, with functionality to edit time details by activating a switch designed using the interrupt EINT0. The LCD operates in 4-bit mode to reduce pin usage, ensuring efficient hardware interfacing. External peripherals include a 4x4 matrix keypad and switches, all implemented on an ARM development kit.

2. **Title: Train ticket booking using GCC compiler**

   Key concepts: DMA, File Handling, Data Structures, Linked lists, Multiple file compilation.

   Project Description: The Train Ticket Booking System is a C-based console application designed to facilitate online train ticket reservations. This system provides users with essential functionalities such as sign-up, sign-in, booking tickets, canceling tickets, and checking train availability. The application ensures data persistence using file handling and employs single linked lists (SLL) for efficient management of train and passenger details.

ACADEMIC PROJECTS:

Title: Digital Signature Verification

Key concepts: Public key Infrastructure, Hash Function, Public and Private Key Pair, RSA, Signature Verification Process.

Project Description: Digital signature verification ensures the authenticity, integrity, and non-repudiation of a digital message or document. It involves hashing the message, encrypting the hash with the sender's private key, and verifying it using the sender's public key. If the decrypted hash matches the computed hash, the signature is valid. This process prevents tampering and confirms the sender's identity.

CERTIFICATIONS

- Embedded systems trainee certification by Vector India Institute.

ACHIEVEMENTS

- I received a certificate for participating in a PPT presentation at **Indu-Iwaai** (intra-college level).
- Participated in a webinar conducted at our college titled "Protecting Your Innovations Through Patents".

STRENGTHS

- Effective in managing the time
- Can easily adapt to the environment.
- Positive Attitude.
- Good Communication skills.

PERSONAL DETAILS

Date of Birth : 14/11/2002.
Address:Ramalaxmipuram,Kodad,Suryapet District,Telangana-508238.
Languaues Known : Telugu , English.
Hobbies : Playing Badminton , Watching Movies , Listening to Music.