

DEEPTHIKA TAMBI

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📍 Nellore, Andhra Pradesh, India

Profile Summary

An Enthusiastic engineering fresher who is a self-starter and capable to use my technical skills for the betterment of organization. Eager to learn new technologies, methodologies and to develop skills in a collaborative and dynamic environment.

Education

Bachelor of Technology, AUDISANKARA COLLEGE OF ENGINEERING AND TECHNOLOGY  2019 – 2023
Andhra Pradesh, India
Bachelor of Technology in Electronics and Communication Engineering graduated with 7.51 CGPA.

Higher Secondary Education, Narayana Jr College  2017 – 2019
Completed Intermediate in M.P.C stream with 7.7 CGPA. Nellore, India

Secondary Education, Narayana High School  2017
Completed Schooling with 9.5 CGPA. Nellore, India

Skills

Advanced C Programming

Networking

Circuit Design PCB

Hands-on experience with GPIOs

Peripherals usage - Timers, Counters and Interrupts.

Operating systems - Linux, Windows

Internship & Training

EMERTXE Information Technologies

Currently, I am actively engaged in an intensive hands-on technical training program at EMERTXE Information Technologies (<http://www.emertxe.com>), Bangalore. This program, known as the Advanced Embedded Systems Course, is certified by the Government of India and is aligned with Skill India initiatives and the National Skill Development Corporation (NSDC) through the Electronics Sector Skill Council of India (ESSCI). The course curriculum is designed to cover a wide spectrum of topics essential for modern embedded systems development.

Projects

VOICE CONTROLLED HOME AUTOMATION (MINI PROJECT)

The Project objective, such as "Designed and developed a voice-controlled home Automation system using [insert technologies, Arduino, Google Assistant.

Tech Used: To control lighting, temperature, and security systems.

ACCIDENT RESCUE SYSTEM USING GPS, GSM AND NODE MCU (MAJOR PROJECT)

Designed and developed an accident rescue system using GPS, GSM, and Node MCU to provide immediate assistance in emergency situations
Integrated GPS for location tracking, GSM for communication and Node MCU for IOT capabilities.

Tech Used: GPS, GSM, Node MCU, ESP8266, C++, Arduino IDE, IOT, Accelerometer, Gyroscope, Sensor integration, Real-time data processing, Communication Protocols.

LSB Image Stenograph

I worked more on error handling to Load image pixels and checking command line arguments. My project offers embedding secret data in the least significant bits(encode), save the modified pixels back to the image and extract data by reading the least significant bits by security code checking(decode).

Tech Used: Embedded C – File operations, Pointers, Bitwise operations, Functions, Make files, Command line arguments.

INVERTED SEARCH

- Designed and implemented an efficient inverted search algorithm using data structures to facilitate fast and accurate searching
- Utilized hash tables, trees, and graphs to optimize search
- Developed a scalable solution to handle large datasets and queries

Tech Used: Data Structure, Hash Tables, Trees, Graphs, Search Algorithms

Declaration

I Deepthika tambi I hereby declare that the information provided in this resume is true and accurate
To the best of my knowledge.