Name: Amol Laxman Kejbhat
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Professional summary

Working as a Software developer with 2 years of experience and have desire to do a challenging role in an organization where my skills are perfectly utilized.

Core Qualifications

- Well programming knowledge in **C**, **Embedded C**, **C ++, Python, Linux.**
- Hand on Programming experience C and Embedded **C&C++.**
- Proficient knowledge on **Microcontroller Architecture**
- Having good knowledge on **Data Structure and Object Oriented Programming.**
- Proficient in coding and debugging the program
- Hands on experience on Communication protocols **SPI, I2C and UART, RS485 & RS232.**
- Hands on experience on **RTC & EEPROM.**
- Hands on experience on **8-Bit,16-bit & 32-Bit MICROCONTROLLER**
- Hands on experience on peripherals **GSM, GPRS & GPS.**
- Having Networking Protocols **TCP/IP, UDP, HTTP & MQTT.**
- Hands on experience on **MQTT & TCP/IP**
- Having good knowledge on **CAN** protocol**.**
- Hands on experience **Firmware Driver** development of different devices like **ADC/DAC, PWM** and **Timers/counter** etc.
- Knowledge on **Arduino**
- Knowledge on **IOT**
- Basic knowledge of Hardware and understanding of schematics, chip manuals, data sheets etc.
- Knowledge on **Hardware Tools Logic Analyzer, Oscilloscope, Multimeter.**
- Knowledge on **Software Tools Arduino IDE, Eclipse IDE, IAR IDE, STVD, STVP Cosmic & Keil µvision**, **Proteus 8.0.**
- Knowledge on **AVR, ST & ARM Microcontroller, NORDIC 32-bit Microcontroller.**
- Hand on experience on **NORDIC nrf52840 & STM STM-8s105c6**

Work Experience :

Company : Truebees Tech. Pvt Ltd Hydrabad
Client : Transworld Tech. pvt ltd Pune.
Duration : June 2019 – Till Now.
Role : Team Member

Projects Handled:

A. Smart Helmet:

MCU :STM8S105C6
Tools :STVP,STVD,Cosmic compiler.
peripherals :GSM,GPRS,GPS(Ai-Thinker GSM/GPRS/GPS)

Responsibilities:

- Developed driver for Peripherals.
- Unit testing of the software module.
- Debugging the issues and fixing them.

Description: One of the most crucial thing for construction site managers is getting optimum output from their workers. They understand that if the workers of the site are taking too much of breaks in between the work or wasting the time in trivial matters, at the end of the day, they will not meet the targeted work goal.
This GPS installed smart hard hats (Helmet) allow managers to monitor each and every activity of their worker. For example, by knowing the active helmet number you can get the ideas of attendance of your worker. The signal will show you if any worker is at the same place for more than the required time
Besides, you can identify the task and their position as per their role and know every worker is active in their given work on a given floor of the building or not. This ultimately leads to higher production of the individual work

B. IOT based Windmill Monitoring System:

MCU :nrf52840 Nordic Microcontroller
Tools :Segger embedded studio

Description-To meet the excess energy requirement, wind energy is used as the alternate source of energy. To be able to use wind energy effectively, proper maintenance of wind mill is required. Whenever fault occurs in wind mills, it becomes a difficult task to reconfigure it. So we require a good technique to do it. For easy maintenance, certain data are required to govern the maintenance schedule. Earlier it was monitored manually.
The process could be made easier if the data required for proper maintenance can be remotely accessed. It also helps when according to the collected data the device can be made to turn off (in adverse condition) or turn on. It saves lot of human workload (manual monitoring). All this can be achieved by the help of Internet of things (IoT).
The Internet of Things (IoT) is a system of interrelated computing devices having ability to transfer data over a network without requiring human interaction. IoT data can be analyzed at almost real time speed. In addition of that, certain actions can be taken based on the analyzed data. The objective of the project is to develop a system "IoT based Windmill monitoring system" to collect the data required to monitor a windmill and using that data to determine its maintenance schedule and automate it. The data is used to gather many other useful information.

Responsibilities:

- Analyzing the functional specifications &requirements
- Developed a SPI based EEPROM.
- Developed ADC based Temperature

Education details

- Completed BE(E&TC) at **Sinhgad Institute of Technology,** affiliated to **SPPU Pune,** with an aggregate of 64.85% in year 2018.
- Completed Diploma(E&TC) at **IET Kannad Polytechnic** Aurangabad, affiliated to **MSBTE,** with 75% in year 2015
- Completed 10th in **N.H.W** with 58% in year 2011

Personal Profile

Father's Name :Laxman
Date of Birth :04/04/1995
Sex :Male
Marital Status :Married
Languages : English, Hindi, Marathi.

Hobbies	: Watching Cricket, Travelling.
Permanent Address	: Phulambri Dist. Aurangabad, Maharashtra (431111).

Declaration:

I hereby declare that all the information mentioned above is true to the best of my Knowledge and I will be responsible if any information found to be wrong

Place:
Date:

(Amol Kejbhat**)**