ANKUSH BOSI

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CAREER OBJECTIVE:

To work as an embedded software developer in an organization where I can utilise my existing skills and knowledge and develop new skills to contribute in accomplishment of organisation goals.

PROFESSIONAL SUMMARY:

- Hands on experience on Embedded C Programming on TM4C123GH controller and ARM Cortex M4 Architecture.
- Knowledge of Intel and ARM Assembly Programming.
- Experience on hardware debugging using ICDI debugger.
- Experience on Android customization.
- Currently engaged with Linux System Programming and Linux device drivers.

SKILL SET:

- **OPERATING SYSTEMS:** Windows, Linux.
- **LANGUAGES:** C, Assembly Language, Embedded C.
- **DEBUGGING TECHNIQUES:** gdb, strace, ICDI Tool kit.
- **SOFTWARE PACKAGES:** Amazon web services (AWS), Android tweaks, MS-Office.
- **SOC:** TM4C123GH6PM, STM32F401RB6.

EDUCATIONAL QUALIFICATIONS:

- Kernel masters certified Embedded System Developer course at Hyderabad.
- B-Tech in ELECTRONICS AND COMMUNICATION ENGINEERING from MAHAVEER INSTITUE OF SCIENCE AND TECHNOLOGY, Hyderabad with 70% (2015-2019).
- Intermediate from ADITYA JUNIOR COLLEGE, Adilabad with 85% (2013-2015).
- SSC from S.T JOSEPH'S CONVENT HIGH SCHOOL, Adilabad with 8.8 CGPA (2012-2013).

PROJECTS:

- **SMART WEATHER MONITORING SYSTEM**

Description : The project is focused on collection of Temperature and Humidity data through DHT11 sensor on a real time basis using DS1307 RTC. The data collected was displayed onto monochrome 16x2 LCD and simultaneously sent onto cloud via ESP 8266 Wi-Fi Module interface.

Platform **:** Embedded C.

Development tools **:** Keil µ Vision and Docklight.

Hardware Used **:** TM4C123GH6PM controller using ARM Cortex M4F, UART, DHT11, DS1307-RTC, LCD, ESP-8266(Wi-Fi Module).

- **AUTOMATIC ENGINE LOCKING SYSTEM FOR DRUNKEN DRIVERS**

MINI PROJECT:

Description **:** The main aim of this project is to detect the alcohol content in the air exhaled by the driver and the engine get automatically turned off if the alcohol percentage exceeds the limit.

Platform **:** Embedded C.

Development tools **:** Keil µ Vision.

Hardware Used **:** AT89S52 Micro controller, MQ-3(Alcohol Sensor), LCD.

- **PATIENT HEALTH MONITORING SYSTEM USING IOT**

MAJOR PROJECT:

Description **:** The primary function of this project is to monitor the health parameters of patient and by using GSM module to transmit the data to cloud.

Platform **:** Embedded C.

Development tools **:** Keil µ Vision, Flash magic.

Hardware Used **:** GSM Module, LPC2148 controller, LCD, LM35 (Temperature Sensor), Heart beat sensor.