

TADEPALLI LILLY BABU.

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CAREER OBJECTIVE

To seek a responsible and challenging position in the organization where my knowledge and experience can be shared and improved.

WORK EXPERIENCE

I have **3 years** of experience on Embedded domain, my work experience is as like follows.

Company : Arka Aerospace
Position : Embedded Hardware Engineer.
Duration : 1st August 2024 to till now .

Company : Axonify Tech Systems Pvt. Ltd, Hyd.
Position : Embedded Engineer
Duration : 12th May 2022 to 30th April 2024

PROFESSIONAL SUMMARY

Working as Embedded Hardware Engineer Since May-2022.

- Ability to work with communication protocols like UART, I2C, Bluetooth and WiFi..
- PCB Design at upto 4 layer done in Altium software.
- knowledge on the Schematic design.
- Preparation of specifications, detailed project reports for various chargers.
- PCB testing, Planning of Test zigs and fixtures, System level validation, resolving issues received from sites.
- Root Causes Analysis(RCA)
- Involving in BOM Management and Creation.

PROJECTS

1. GPS TRACKER:-

Developed firmware for a GPS tracker integrating GNSS, GSM, and Bluetooth modules to enable real-time location tracking, SOS functionality, and dynamic device control through custom commands and network status monitoring.

Technological Used:

- **Hardware Used:**GSM, GPS Module.
- **Protocols:** UART
- **Responsibility:** Schematic Design and PCB Design.

2. Michigan:

The project is develop an electric vehicle charger for automobile. Charger have,Mobile App, RFID and Gun connector. Charger is connect to vehicle Using gun connector and RFID is for accessing the charger.

Technologies Used:

- **Hardware Used:** RFID Reader, GUN
- **Protocol:** UART, Bluetooth.
- **Responsibilities:** Hardware and Application Testing,Functionality Testing,Troubleshooting.

3. Smart Socket:

The project is develop an electric vehicle charger for automobile. Charger have CPID and Socket connector. Charger is connect to vehicle Using Socket connector and CPID is for accessing the charger it's implement the CMS.The main purpose of CMS Is every transaction data is send to server.

Technologies Used:

- **Hardware Used:** CPID, Socket
- **Protocol:** UART, Bluetooth.
- **Responsibilities:** Lead Of The Project.

4. HPCL:

The Project is develop an electric vehicle charger for automobile.Charger have RFID,OCPP and Gun connector. Charger is connect to vehicle Using gun connector and RFID is for accessing the charger. OCPP Is the utilizes the CMS through the server in every transaction.

Our Clients:MG MOTORS (Morrior Garriage),OLECTRA,TATA MOTORS,ADANI ELECRICITY,Aparna, Prestige.

Technologies Used:

- **Hardware Used:** RFID Reader,OCPP,GUN
- **Protocol:** UART, Bluetooth
- **Responsibilities:** Lead Of The Project

5. Safe Socket:

The Project is develop an electric vehicle charger for automobile.Safe socket is mainly used for device protection.

6. Smart Helmet Using IOT:

This project is completily avoiding the drunk and drives,and at an emergency time like accidents send an information and about the location through GPRS and final one is following the helmet Regulation.

Achievements:

- Participated in "PCB Design and its Applications" workshop conducted by Microlink.
- Participated in "Artificial Intelligence" workshop conducted by APSSDC.
- Has participated in 60-day intensive training program Core Employability Skills at GROW.

TECHNICAL SKILLS

| | |
|-----------------------|---------------------------------|
| Programming Languages | : C |
| Operating Systems | : Windows. |
| Serial Bus Interface | : I2C,UART, Bluetooth and WiFi. |
| Flashing Tools | : Flash Magic,Tera Term. |
| Simulation Tools | : LTSpice,Tina. |
| Design Software | : EasyEda,Altium. |

SKILLS & ABILITIES

1. Team Management
2. Problem Solving Skills
3. Self -motivated & Quick Learning
4. Product testing
5. Bugs Identification
6. Application Testing

EDUCATION QUALIFICATIONS

- 2017-2020 Bachelor of Technology (B. Tech)**
Electronics & Communication (ECE)
V.K.R,V.N.B&A.G.K College Of Engineering Gudivada
Jawaharlal Nehru Technological University-K
Percentage: 6.68GPA
- 2014-2017 State Board of Technical Education & Training**
Electronics & Communication (ECE), SBTET
V.K.R,V.N.B&A.G.K College Of Engineering Gudivada
Percentage: 74.12%
- 2013-2014 Board of Secondary Education**
Z.P.High School Puttagunta
APBSE, 6.3GPA

PERSONAL PROFILE

Date Of Birth :10-08-1999
Gender :Male
Nationality : India
Marital Status. : Single

LANGUAGES

1. English : Read, Write, Speak
2. Telugu : Read, Write, Speak

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned details.

PLACE: GUDIVADA

DATE :

SIGNATURE:
TADEPALLI LILLY BABU