**RANJITH KUMAR.R**

B.E-Electronics and Communication Engineering

**E-Mail:** ranjithriyas@gmail.com

**Mobile No:** +91-9500230936

**CAREER OBJECTIVE:**

Seeking an innovative and a challenging position, where my current skills relating to Hardware and Software Development Environment are fully utilized and improved to contribute to the Company Growth.

**EDUCATIONAL QUALIFICATION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree/Course** | **Name of the Institution** | **Year of Passing** | **Percentage/Grade** |
| B.E.ECE | KPR Institute of Engineering and Technology, Coimbatore | 2021 | 7.3 CGPA (till 5th Semester) |
| DECE  | PSG Polytechnic College, Peelamedu, Coimbatore | 2016 | 78% |
| SSLC | Corporation Higher Secondary School, Siddhapudur, Coimbatore  | 2013 | 86% |

**PROFESSIONAL SKILLS:**

* Strong hands-on and fabrication skills including soldering and de-soldering SMT parts.
* Strong prototyping skills such as soldering and reworking PCBs.
* Excellent electrical evaluation, testing and PCB troubleshooting skills.
* Expert skills with electrical drawing & schematic interpretation, data logging, computer logging in a high-power lab environment.

**INDUSTRIAL EXPERIENCE:**

1. **Technician**

*LMW Pvt Ltd, Coimbatore* **Feb 2017 – Feb 2018**

**Responsibilities:**

* Determined most effective approaches to new projects by reading and analyzing blueprints, drawing and sketches.
* Evaluated installed electrical equipment and systems to isolate faults and implement corrective actions.
* Troubleshot electrical equipment problems such as electro-valves and sensors.
* Inspected completed installations to observe operations and verify conformance to design and equipment specifications.
* Proposed electrical product and system modifications to improve quality and efficiency.
1. **QC Inspector**

*Vasantha Advanced System Pvt Ltd, Coimbatore* **Aug 2016 – Oct 2016**

**Responsibilities:**

* Read blueprints and specifications.
* Pick the bill of material components and manage the components.
* Testing assembled boards and rework or troubleshoot problems.
* Monitor operations to ensure that they meet production standards.
* Recommend adjustments to the assembly or production process.
* Inspect, test or measure materials or products being produced.
* Measure products with rulers,calipers,gauages or micrometers.
* Accept or reject finished items.
* Remove all produces and materials that fail to meet specifications.
* Discuss inspection results with those responsible for products.
* Report inspection and test data.

**PROJECT DETAILS:**

* **SMART BIKE**

**Description :** The main purpose of this project is rejecting incoming calls this system prevents from accidents while riding bike. The bike is secured by the reply from the phone.in case any accident occurs, this system reduces the manual process and avoids delay. The location tracking of accident spot is very fast.

**Duration :** 2015

**Role :** Circuit Designer

**Team Size :** 4

* **WIRELESS INFORMATION DEVICE**

**Description :** The main Concept of this project is to design a wireless information device that immediate information from mobile through GSM technology. Any institution and organizations. But day by day is a difficult process and consumes more time.to overcome this problem, here is a project which deals with an innovative wireless information device.

**Duration :** 2019

**Role :**  Hardware Designer

**Team Size :** 4

**FIELD OF INTEREST:**

* Fundamentals of Electronics
* PCB
* Embedded System

**SKILLS:**

* **Programming Languages :** C, Python
* **Microcontrollers :** 8051, Atmega328p
* **Programming Tools :** MP lab IDE, KeiluVision5v, Arduino IDE
* **EDA Simulation Tools :** NI Multisim 14v,Proteus 8.8v,Kicad 5v
* **Operating System :** Windows XP,Windows 7,Linux

**INDUSTRIAL EXPOSURE:**

* **Industrial Visit:**
* Undergone industrial visit in JVS Pvt Ltd at Bangalore.
* Undergone industrial visit in Unitech Controls Pvt Ltd at Coimbatore.
* **In-Plant Training:** Undergone in-plant training in Vasantha Advanced System Pvt Ltd at Coimbatore, a PCB manufacturing company.

**CO-CURRICULAR ACTIVITES:**

* Attended Workshop on “EMBEDDED SYSTEM” conducted by Computer Networking Lab, in PSG Polytechnic College, Coimbatore.
* Attended Workshop on “Network Training in Juniper Routers” conducted by Computer Networking Association in PSG Polytechnic College, Coimbatore
* Participated in “EMBEDDED SYSTEM” workshop during the National Level Technical Symposium on 12th Feb 2019 at PSG Institute of Technology and Applied Research, Coimbatore.
* Participated in “EMERGING APPLICATION OF IOT” workshop during the National Level Technical Symposium on 22th Feb 2019 at PSG College of Technology, Coimbatore.
* Participated in “PAPER PRESENTATION” in Kongu Engineering College, Erode
* Participated in “DATA PIRATE” in Kongu Engineering College, Erode.

**PERSONAL PROFILE:**

**Father Name**  **:** Mr.K.Ramu

**Date of Birth**  **:** 26th Nov 1997

**Gender :** Male

**Nationality**  **:** Indian

**Languages Known :** English, Tamil, Telugu (only speaking)

**DECLARATION:**

I do hereby declare that the above information given is true to the best of my knowledge.



**RANJITH KUMAR.R**