

# RESUME

**KORUKONDA PRASAD**

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## **CAREER OBJECTIVE:**

I seek a challenging and competitive environment in an organization that allows me to utilize my skills and contribute my best to the organization while ensuring growth in my personal and professional career.

## **WORK EXPERIENCE:**

**1. Avantel limited, Vishakapatnam.**

**Designation:- Embedded Engineer.**

**Working Period:- 1(year) 9 (months).**

**2. XDLINX LABS, Hyderabad(Startup).**

**Designation:-Power Electronics Test Engineer.**

**Working Period:-1(month)15(days).**

### ***Working On:-***

1. GAT (EMBEDDED SYSTEMS IN R&D) RTIS PROJECT.
2. SQA (SOFTWARE QUALITY ASSURANCE) TESTING RTIS MONITORING.
3. RF TESTING OF SBC PROCESSOR CHIP ON RTIS PROJECT IN D&D.
4. Experience with UART, and SPI communication protocols.
5. Knowledge of GPIO, I2C, SPI Protocol.
6. Experience in C and Embedded C Programming.
7. Experience in RF Testing.
8. Experience in Janus-2 Satellite Testing in Power Electronics.

## **EDUCATIONAL QUALIFICATION:**

Qualification	Specialization	Name of the Institute	Year of Passing	Percentage
B. Tech	Electronics and Communication Engineering	Sri Vasavi Institute of Engineering And technology (Nandamuru)	2017-2021	70%
BOARD OF INTERMEDIATE EDUCATION	MPC	Sunflower Junior College (Challapalli)	2017	83%
BOARD OF SECONDARY EDUCATION	SSC	Nagarjuna public School (Ramanagaram)	2015	85%

## **CERTIFICATION AND WORKSHOP:**

I am certified in power electronics test engineer in XDLINX LABS.

I am Certified in embedded systems in kernel masters.

I am certified as a graduate trainee in Avantel Limited.

I am certified in Surabhi consultancy services in Avantel Limited.

## **SKILL SET:**

- *Languages:* C, Embedded Testing.
- *Operating Systems:* Windows, Linux (Ubuntu).
- *Protocols:* GPIO, UART, I2C, SPI, CAN, ETHERNET.
- *Tools and ide knowledge:* Keil uVision5, GNU Debugger, RENESAS, CAD STAR 4.0, PADS PROFESSIONAL.
- IAR EMBEDDED WORKBENCH.
- POWER ELECTRONICS TESTING.

## **PROJECT DETAILS:**

### ***1. Project Title: REAL-TIME INFORMATION TRAIN TRACKING SYSTEM.***

->Location : Vishakapatnam.

->Hardware: BY DEVELOPING THE DESIGNING OF SBC OF IRN5G of rtis.

->Platform/O.s: Windows

->Tools : Keil IDE, RENESAS

### **Description:**

In this project, I Worked on a Real-time train information system (RTIS) project and designed the single board computer of irn 5g.and worked on software quality assurance in RTIS, development of intelx643e elkhartlike bridge processor of RTIS system, designed the SBC(single board computer) of Indian rail navigator.

This SBC will have the 2 LAN ports,1 HDMI port,intelx643e processor,mipi60 connector, LVDS connector,1 ddr4 ram,(SODIMM), etc 1 MSATA, soc, one SATA, etc.

### **Responsibilities:**

Using the single-board computer of the Indian rail navigator, we will find the exact location of the rails of different locos provided by the cris. using the different MSS and CSS.

### ***2. Project Title: Janus-2 Satellite Testing For DEEP Space Technology.***

->Location: Hyderabad

->Tools:- Hardware(RPS, OSCILLOSCOPE , THERMAL IMAGER).

## **PROFESSIONAL SKILLS:**

Due to my experience with the RTIS project and my desire to achieve and sustain future stability with good compensation,

**SEMINAR AND MINOR PROJECT:**

SEMINAR: Intelligence management of robotics functioning and arm debug of robotics values.

weather motorizing system to transfer the data by using the UART protocol.

Minor project: Face recognition door locking system by using the Raspberry Pi controller

**AREAS OF INTEREST:**

Satellite communication

Avionics software

Robotics

Aerospace Technology

**ACHIEVEMENTS:**

Participated in national level chess program in SVIET(Nandamuru).

Organized something to make it work better.

Developed and implemented new procedures or systems on special projects

**LANGUAGES KNOWN:**

English, Hindi, Telugu.

**ADDITIONAL STRENGTHS:**

Leadership, problem-solving, creativity.

**DECLARATION:**

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

**PLACE:** GAMBIRAM,  
VISAHAKAPATNAM,  
PIN CODE:530001,  
ANDHRA PRADESH.

K. Prasad.  
**Signature**