

## ANOOP DHARMANA

Dharmana veedhi, Mabagam village ,polaki mandal, Srikakulam district ,AP-532421  
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### CAREER OBJECTIVE

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To obtain a position that will enable me to use my strong organizational skills, award-winning educational background, and ability to work well with people.

### EXPERIENCE

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- Klr industries Pvt.ltd, Hyderabad.** *Oct(2020) - Jan (2022)*  
AUTOMATION ENGINEER  
Automation engineer and project engineer for solar plant installation in our company
- Automotive Research Association of India(ARAI),Kothrud,pune.** *24 jan 2022 - Present*  
Research engineer(HIL test engineer)  
Hil test engineer,Open loop commission, closed loop commissioning in virtual test bed.

### PROJECTS

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- HIL Testing and validation of BMS in electric vehicles with OPAL RT system.** *March1(2022) to July(2022)*  
Commissioning of hardware setup for HIL Testing.  
Defining interaction between the other HV components.  
Preparation of system architecture and functional requirements.
- HIL Testing and calibration of Engine ECU with DSPACE system.** *Feb1(2022) to Aug1(2022)*  
Open loop commissioning of dspace HIL system.  
Modelling of engine sensors in simulink software.  
Integration of matlab model and engine model in configuration desk.  
Assigning I/O channels in hil system channels as per customer requirement.  
Controlling and operating system through control desk software.  
OBD Calibration of ECU by HIL System.
- HIL Testing and Validation of BMS,MCU and VCU in electric vehicles with OPAL RT system. .** *Aug1(2022) to till now*  
Open loop commissioning and closed loop commissioning of HIL system.  
Testing and Analysing of CAN signals through vector canoe software.  
Modelling of BMS,MCU,VCU through matlab simulink software.  
Running the test cases regarding MCU,VCU and BMS through LABVIEW and Controlling through VERISTAND software.  
Commissioning of hardware setup for HIL Testing.  
VCU-BMS-MCU-integration setup.  
Configuration of comemso cell emulators(BCS).
- Testing and validation of ECU with dspace system** *September 5(2022) to till now*  
Preparation of junction box wiring harness in HIL system.  
Modelling of engine sensors in simulink software.  
Integration of matlab model and engine model in configuration desk.  
Assigning I/O channels in hil system channels as per customer Terminal diagram.  
switching on the Power Supply of HIL system and also manually running engine parameters by control desk software.  
OBD Calibration Testing of ECU by HIL System.

## TECHNICAL SKILLS

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- HIL system, Embedded systems, Matlab simulink, ECU diagnostics, ECU trouble shooting, Junction box preparation.

## TOOL CHAIN SKILLS

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- Veristand software. Vector Canoe software. LabVIEW. Configuration desk. Control desk. Matlab simulink.

## EDUCATION

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- **JNTUK-UCEV(Vizianagaram)**  
B.TECH.( ELECTRICAL AND ELECTRONICS ENGINEERING)  
8.3  
2020
- **Narayana junior college(Visakhapatnam)**  
INTERMEDIATE  
97%  
2016
- **Vidhatri Vidyalayam(Srikakulam town)**  
SSC  
9.5  
2014
- **St.jude's public school(Srikakulam)**  
Primary education  
97%  
2006-2009

## ACHIEVEMENTS & AWARDS

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- Workshop coordinator in university. Technical quiz winner in my college. Project head in solar plant installation of previous company.

## INTERESTS

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- Sports
- Innovation
- Learning languages

## PERSONAL PROFILE

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- Date of Birth : 02/12/1998
- Marital Status : Single
- Nationality : Indian
- Known Languages : English, Telugu
- Hobby : Playing volleyball, badminton