BHANU KIRAN **PHONE: +**91 8985611399

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CAREER OBJECTIVE

To work in a competitive environment where my skills can be utilized fully to achieve objectives of the organization and lead to further growth in my professional skills.

PROFESSIONAL SUMMARY

- 4+ Years of experience in automotive industry and working as Validation Engineer in Active Safety domain for ADAS Module.
- Hands on Experience of CAN, UDS Protocols, Dspace, HyundaiKia Motor Corporation customerspecific tools.
- Working experience on modules State machine, Diagnostics, HMI, DTC.
- Good hands-on experience of HIL Testing.
- Working experience of basic testing Smoke test, and responsible for sharing the report to the quality team for review whether software passed or fail.
- Hands on experience of flashing the software by using debugger tool.
- Good analytic skills to resolving debugging.
- Participated on test report preparation.
- Working Experience in both manual and automation testing of software requirements of ADAS - SRR (Short Range RADAR).
- Experience of developing the test procedure & test script (using CAPL Scripting) for Short Range RADAR and Ultrasonic sensors.
- Experience in different types of testing like Functional Testing, Stress Testing, Load Testing, Re-testing, and Regression Testing, State mission test.
- Experience in Diagnostic Testing of CAN based Automotive Applications.

Experience

Present:

- CurrentlyWorking as a **Validation Engineer** in **TCS,** Hyderabad from APRIL 2020 – Til Date.

Education

- B. Tech in Electrical and Electronics Engineering from ST. Martin's engineering college, Affiliated to JNTU HYDERABAD Passed in2019.

Languages

English, Telugu, Hindi

Technical Skills

Protocols:

- CAN (ISO-11898)
- UDS (ISO-14229)
- ISO (26262)
- ISO (15765)

Tools:

- Canoe
- Dspace
- Doors
- JIRA
- Customer specific tools.

PROJECTS.1

1. FUNCTIONAL VALIDATION OF ADAS ULTRA SONIC SENSORS FEATURES

Role	: Validation Engineer
Client	: HKMC
Communication Protocol	: CAN, UDS
Programming Languages	: CAPL
Software Tools	: Canoe, Dspace , Hyundai KiaSpecific tools.

Description:

PDW (Parking distance warning): Device that detects objects in the vicinity of vehicles using ultrasound and altering drivers of detected objects with auditory or visual indications.

FFS (Free space sensors): Device that detects the object in the vertical side doors of space and it will give the warning to the driver by beep sound. When the car reaches closer to the object gradually increased by the beep sound. And rectifying the errors like Blockage, Failure, Noise and sporadic noise …..Etc.

Responsibilities:

- Requirement analysis of Stakeholder Requirements.
- Development of Test cases & Test Scripts as per the Requirements.
- Participating in Test procedure reviews.
- Performing Regression/Execution of developed scripts on every software release.
- Performing the full validation on software release
- Good analytic of problem resolving skills.
- Testing of ultrasonic sensors under various conditions.
- Defect reporting and tracking by using the JIRA tool.
- Direct customer interaction with Client and sharing Test.

Procedure & Reports for review

PROJECTS.2

1. FUNCTIONAL VALIDATION OF ADAS SHORT RANGE RADAR FEATURES

Role : Validation Engineer
Client : HKMC
Communication Protocol : CAN, UDS
Programming Languages : CAPL
Software Tools : Canoe, Dspace, Hyundai KiaSpecific tools.

Description:

The Side Object Detectors (SODs) are paired radar sensors mounted near the rear corners of the vehicle and viewed to the sides and rear of the vehicle. The rear SOD sensors feed radar sensing information to a central controller called the ADAS_ECU. The ADAS_ECU controls several Advanced Driver Assistance features like Blind Spot collision warning (BCW), Blind spot collision assist (BCA), Rear Cross Traffic Alert (RCCA), and Rear Cross Traffic Alert with Braking (RCCW), Seat Exit Warning (SEW). Seat Exit Assist (SEA) The SODs also support additional features that are primarily controlled.

Responsibilities:

- Requirement analysis of Stakeholder requirements.
- Development of Test cases & Test Scripts as per Requirements.
- Participating in Test procedure reviews.
- Performing Regression/Execution of developed scripts on every software release.
- Performing the full validation on software release
- Testing of Short-Range RADAR ECU under critical conditions.
- Good analytic of problem resolving skills.
- Defect reporting and tracking by using the JIRA tool.
- Direct customer interaction with Client and sharing Test Procedure & Reports for review

PERSONAL INFORMATION

Date of Birth : 05-12-1994
Gender : Male
Marital Status : Unmarried
Nationality : Indian

DECLARATION

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

Place: Hyderabad (K BHANU KIRAN)