

G-301,GK Aryavat Society Ravet

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## PROFILE INFO

B.E. (Mechanical) having 9.5 years of Total experience in Automotive Industry.

In my Current role as a Sr. CAA Developer I have 4 years of experience with good understanding of the CATIA CAA architecture. My expertise lies in developing customs tools using the CAA API, which can be integrated with CATIA to enhance its functionality and automate complex tasks.

## EXPERIENCE

**10/2023 - PRESENT**

**VECTRA AUTOMATION SOFTWARE PVT.LTD**

**Sr. CAA Developer**

Project : Hole Check Analysis

- This module is used to identify any hole-related 3D model issues in the tool..
- Analyse the Mating Holes (Hole to Hole) pair and Mating Slots (Hole to Slot) pairs from the mating components of the Main Assembly.
- The utility will show the Mating Component Pairs with Hole and Slot errors & will capture the following types Mating Hole/Slot Alignment, Mating Hole Types, Hole Size & No Mating Holes.

**07/2018 – 10/2023**

**TATA MOTORS ( Tata Technologies Payroll )**

**Team Lead ( CAA Development )**

Project 1 : HVAC Grills Open Area Calculation

- KBE Application is developed to find out open area of Grill surfaces which is very much important in HVAC design to find out amount of natural air flow for cooling purpose.
- Output of this application is Effective Area measurement of each Grill Surface , Total effective Grill open area & Percentage of the effective grill opening area for cooling purpose w.r.t total Condenser core area.
- It helps designers to avoid doing this activity manually for each new project which may be skilled job for new designer to find out correct area which increases productivity & efficiency.

Project 2: Nacelle Assembly Envelop For CAS Validation Tool

- A KBE application is developed to generate Nacelle Assembly envelope modules for existing Vehicle as well as New Project Vehicles Nacelle CAS data for different movements like Tilt Up-Down, Tilt Up-Down with Telescopic Up-Down & Crash Conditions.
- Application is developed in such way that designer can select project name and its data get loaded in CATIA with given inputs and Nacelle Envelope is generated based on requirements of project.
- Application also has functionality to select New fresh Nacelle to carry out multiple combination activity in comparison with existing vehicles.

Generated envelopes will be helpful to designers to find out fouling and minimum gaps quickly w.r.t dashboard & steering column.

Project 3: Creating 3D Annotations for Co-ordinates of CMM Points on CAS data

- A KBE application is developed to Create 3D Annotations of CMM points for any CAS data which is important in quality control purposes as per design specifications.
- Output of this application provides table with CMM points names with their respective X-Y-Z Co-ordinates.

## EDUCATION

2014 - 2015 | Shivaji University Kolhapur

**B.E Mechanical**

2009 - 2010 | Kolhapur Div. Board Sangli  
**H.S.C (PCB + ELECTRONICS)**

2007 - 2008 | Kolhapur Div. Board Sangli

**S.S.C**

## SKILLS

- CAA
- C++
- CATIAV5 (Customization)
- 3DExpereience
- CATIAV5 (Design)

## CERTIFICATES

- CATIAV5Specialist (Surface Design):C-RCPK5RTQBF (05/2017 - Present)
- CATIA V5 Associate (Part Design) : C-F7VK4TT55V (05/2017 - Present)

## HONOR AWARDS

- Extensive CAD Support Award 2019
- Employee of the Quarter Award 2022

## INTEREST

- Programming
- Leaning New Technologies
- Reading Indian Mythology
- Social Work

02/2018 – 07/2018

**ADIENT INDIA PVT LTD**

**Design Engineer**

**Project : HONDA 20 FIT : RECLINER COVER, HEIGHT LEVER**

- Design of Plastics parts like Side Valance covers, bottom / back cover seats of fully automated driver less vehicle (NA- west coast).
- Consider styling surface as input and checking tangential errors in A-surface. • Developing B surface using A-surface .
- Creating parting surface and developing a closed body.

06/2017 – 02/2018

**FAURECIA INTERIOR SYSTEMS INDIA LTD**

**Design Engineer**

**Project : TESLA M3 IP : KNEE AIR BAG COVER, PASSENGER FOOTWELL COVER**

- Design and development of automotive interior plastic Trim.
- Checking part in DMU Analysis as well as considering tooling feasibility and modify it as per customer requirement.

06/2015 – 05/2017

**PIONEER DESIGN AND ENGINEERING PVT. LTD**

**Design Engineer**

**Project : MAP POCKET, FUSE BOXCOVER, ARM REST**

- Design and development of automotive interior plastic Trim.
- Checking part in DMU Analysis as well as considering tooling feasibility and modify it as per customer requirement.

**DECLARATION**

I hereby declare that the above information is true and authentic to the best of my knowledge and belief