

SAI HARISH YENDURI

MECHANICAL DESIGN ENGINEER

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📍 Hyderabad, Telangana

Automotive Body Design Engineer with over 6+ years of experience in design of passenger car body (BIW) components like Platform, Side Structure Body. Proven skills in solving real-time problems while performing Crash, B/G Durability, NVH, Water Leak tests & Good experience in solving assembly difficulties with the quick development of timely solutions. Appreciated work done with the collaboration of cross functional teams at Hyundai Headquarters, South Korea.

Work History:

Assistant Manager, Hyundai Motor India Engineering- Hyderabad

Aug 2017 – Present

- Design and development of sheet metal components for the Body in White (BIW) meeting the product requirements and physical compatibility with related sub systems, ensuring quality, cost, weight targets and product development milestones.
- Complete knowledge in Product development process like Benchmarking, Vehicle packaging, Concept creation, Remastering, Perceived Quality, CAD Audit and Assembly Procedure.
- Generate complex assembly drawings and bill of materials (BOM). Revise product documentation in CAD and Product Lifecycle Management (PLM) database using our revision control system.
- Expertise in other BIW related tasks like GD&T, Design for Manufacturing (DFM) & Design For assembly (DFA).
- Impressive co-ordination with the cross functional teams, design support in improvising the technologies like ADAS & Blue link.
- Teardown Study & Benchmarking of competitor vehicles for Crashworthiness, Energy Flow, Material composition & Package layout.
- Hyundai & KIA Plant visit for proto and pilot stages in body shop, paint shop & Assembly shop to check root cause and give countermeasures. Attended team meetings regularly to report assembly progress & to discuss real-time problems like assembly difficulty, time and design to actual part tolerances.
- Business Trip to Hyundai headquarters, South Korea for Hyundai QX & BR2 Project support for 5 months. Designed side structure (Side Outer Reinforcement) and Work done on Paint shop drawings like water leak sealers, Underbody sound Deadeners, Plugs.

Projects Undertaken:

- **Hyundai New Santro - 2017**
 - Project in-charge for Rear Floor, Back complete. Designed Light Weight floor considering the Weight target & GNCAP safety standards 3*.
- **Kia Seltos – 2019 & Working on RDE Regulations**
 - Project in-charge for Front Bumper Back Beam, Rear Floor Complete & Deflector (Plastic part)
 - Work done to achieve NCAP Crash safety standards and Improve Durability.Participated in live crash tests to analyze Door jamming, Frontal Crash Zone, Dash Intrusion & Fuel leakage during Rear Crash.

- **Hyundai Creta – 2020 & Working on RDE Regulations**

- Project in-charge for Center Floor complete & Crash In charge for complete BIW.
- Work done to achieve NCAP Crash safety standards and Improve Durability. Participated in live crash tests to analyze Door jamming, Frontal Crash Zone & Dash Intrusion.

- **Hyundai AI3 SUV (On going)**

- Project in-charge for Quarter Inner complete, which includes timely release of Engineering order and supporting team members in release management activities.

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Technical Skills:

- Proficient in CATIA V5 - Generative shape design, Part design, Assembly design, Drafting, Draft analysis and Quick Surface Reconstruction.
- Expertise at PLM, NX Unigraphics & Auto CAD.
- Good knowledge in GD & T and Metal Engineering Technology (Metal Forming).
- Exposure on Plastic parts development technology.

Education:

2011 - 2015

K L University, Guntur

Bachelor of Engineering, Mechanical Engineering with CGPA 7.3

With Minor Degree in Design.

Projects & Achievements:

2014 - 2015

Vice- Captain & Manager, **SAE eBAJA at INDOOR**

Modeled & Fabricated an Electric ATV, which is an Dr.A.P.J Abdul Kalam sir initiative, Our team secured the Overall 1st position in Design & 2nd Position in Endurance race.

2014 - 2015

Suspension *Designer & Manager*, **BAJA STUDENT INDIA-15 at NIT Jamshedpur**

Modeled & Fabricated an ATV and in the Race with 80+ colleges national wide, Our team secured the Overall 8th Position in Design Category.

2012 - 2013

Vice- Captain & Rider , **ASME HPVC at IIT DELHI**

Modeled & Fabricated HPVC, which is an ASME event, Our team secured the 2nd position in Technology Innovation event & 5th Position in Design Event.

Personality Traits:

- Honest & Responsible towards work.
- Ability to work independently with Extended Limitations.
- Willingness to travel abroad for a shorter / longer duration.

Declaration

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

Place: Hyderabad

Date:

SAI HARISH YENDURI