



Akshay Ashok

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Summary

Results-driven dynamic professional with 5.4 years of experience leading new product development, cross-functional execution, and operational improvement initiatives across automotive and manufacturing domain. Proven track record of solving complex business problems through analytical thinking, stakeholder collaboration, and data driven decision making.

Professional Experience

Senior Associate Manager | Maruti Suzuki India Limited | Gurgaon, Haryana

Apr'24 to Mar'26

- **Led the design, development and vehicle integration** of a compact CNG pressure regulator used across multiple platforms and models delivering **₹650+ million** in annual cost savings in FY25-26 through effective cross-functional collaboration.
- **Led the design and development** of CNG system for **Maruti Suzuki's first** Bharat NCAP/ Global NCAP **5-star** CNG vehicles, the Dzire and Victoris. System design ensured compliance with offset deformable barrier, full frontal and rear crash regulations.
- **Engineered India's first underbody CNG system** for the Maruti Suzuki Victoris, maximising usable boot space, thereby enhancing customer satisfaction, ensuring compliance with packaging and crash requirements.
- **Designed end to end simulation models** for the dynamic motion of flexible hoses (considering string vibration, sagging and tolerance stack up) to control risks and minimise work redundancy. **Reduced overall manhours by 15%.**
- **Collaborated with cross-functional teams** to reduce CNG system design and development turnaround time by **33%**, enabling direct delivery and use of Off-Tool Off-Process parts, eliminating prototype stages and **accelerating production readiness.**
- **Initiated and led** localisation projects creating **commercial impact of approximately ₹214 million** in FY-24-25 at MSIL through value engineering in collaboration with supply chain and quality.

Assistant Manager | Maruti Suzuki India Limited | Gurgaon, Haryana

May'22 to Mar'24

- **Identified** gap in testing requirements of safety critical parts and introduced Maru AR instructions in technical specification drawings for the **first time in Maruti Suzuki** Engine division improving the safety and reliability of critical components.
- **Resolved** critical fuel leakage in a fuel filter joint using structured root-cause analysis, enabling reuse of the existing moulding die and **reducing analysis cost by 80%**; led feasibility and implementation of corrective design measures across models.
- **Redesigned tooling and gauges** for CNG high-pressure joint assembly, reducing **assembly man-hours by 10%.**
- **Managed and Implemented 20+** high-priority Customer Approval Release requirements, ensuring **0 production downtime.**

Associate Engineer | L&T Technology Services | Vadodara, Gujarat

May'21 to Apr'22

- **Led the planning, execution and delivery of digital twin** for Covestro's global plants, CAOJING and ANTWERP via SmartPlant, serving as the **primary LTTS engineering interface** across global client, site and internal teams.
- **Automated graphical quality check** report using macros in MS Excel, **cutting QC cycle time by 30%** and reducing errors.
- **Executed** data migration of all CAOJING plant data from more than **300 unorganized 2D drawings** to an integrated platform using Hexagon Smart Plant P&ID and Smart Plant 3D with **95% error free data** leading to before time delivery.

Graduate Engineer | Thermosen Technologies Private Limited | Bangalore, Karnataka

Oct'20 to Apr'21

- **Drove improvement in soldering efficiency** and reduced rejection rates by designing a conveyor-based semi-automated soldering line for thermistor production using CAD tools reducing part **production time by 15%.**

Education

Bachelor of Technology in Mechanical Engineering – **PES University** | Bangalore, Karnataka, India

Accomplishments and Awards

- Received **Employee of the Quarter award** twice in Maruti Suzuki for continued large scale impact in alternate fuel system.
- Received **Spot Award** at L&T Technology Services for innovation in graphical QC methodology using macros in MS Excel.
- **Ranked AIR 3** in overall combustion event at the national level competition, ENDURO STUDENT INDIA in 2020.
- Received **distinction award** in 3 semesters of mechanical engineering for being among the top 10 percent of the class.

License & Certifications

Minors' degree in Computer Science Engineering, PES University
Six Sigma Green Belt, KPMG

Co/Extra-curricular

- Represented PES University at national level events like BAJA SAEINDIA and ENDURO STUDENT INDIA.
- Team lead of Suspension and Steering domain of the automotive club at PES University – Team Haya Off-Road.
- Led and coordinated department-wide safety and 5S initiatives at Maruti Suzuki India Limited.