

HARIKRISHNAN JS

DESIGN ENGINEER



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BANGALORE, KARNATAKA

SUMMARY

A Design Engineer with hands-on experience in CAD and mechanical design, skilled in optimizing processes and enhancing production efficiency. Backed by a strong academic foundation in Mechanical Engineering and complemented by specialized certifications in Data Science, I bring a unique blend of technical expertise and analytical skills to solve complex engineering problems and drive continuous improvement.

EXPERIENCE

Design Engineer

Stellantis PSA AVTEC POWERTRAIN

04/2022 - Present Hosur

Engineering Company – Automotive Technology

- Designed and released accurate 3D models and production-ready 2D drawings using AutoCAD, including tolerances, materials, and manufacturing notes.
- Took mechanical designs from concept through production, ensuring manufacturability, ease of assembly, and compliance with design standards.
- Performed self-quality checks on CAD models and drawings to maintain accuracy and reduce downstream errors.
- Collaborated with cross-functional engineering teams across multiple sites to deliver mechanical components on schedule.
- Supported design reviews by preparing documentation, participating in evaluations, and incorporating feedback into updated designs.
- Created and modified production layout designs in AutoCAD to improve workflow efficiency, reduce bottlenecks, and support early-stage planning.
- Assisted with inspection and validation of capability parts for engine components such as cylinder heads and blocks during early builds.
- Performed real-time diagnostics and parameter adjustments on E-Check systems to improve inspection accuracy and prevent engine quality issues.
- Analysed E-Check system data and translated it into Daily Run Rate (DRR) metrics to track engine quality and identify non-conforming units.
- Contributed to PLM updates by modifying gear and shaft tooth dimensions to align with functional requirements and supplier manufacturing capabilities.
- Updated and maintained CAD documentation based on supplier changes and internal design revisions to support smooth production.
- Worked closely with internal teams to gather inputs, implement design changes, and ensure clear communication between design and manufacturing.

Service in Charge

Royal Enfield Service center

09/2021 - 03/2022 Trivandrum

Service center specializing in motorcycle maintenance

- Handled service responsibilities with a strong focus on customer interaction, service explanations, and relationship management.
- Diagnosed mechanical and electrical issues in motorcycles using standard service procedures and tools to ensure accurate repairs.
- Performed routine maintenance and service tasks such as engine checks, brake systems, transmission components, and overall vehicle health inspections.

EDUCATION

GCC Based Digital Marketing Course

SkillMount

2026

Bachelor of Engineering- Mechanical

Noorul Islam University

08/2016 - 05/2020

6.97 CGPA

Higher Secondary Education

Kerala State Board of Higher Secondary Education

06/2014 - 03/2016

60.5%

Secondary School Education

Kerala State Board of Public Exams

3/2012 - 03/2013

67%

CERTIFICATIONS

- Catia Beginner to Advanced - Automotive and Industrial Udemy 2025
- SOLIDWORKS: Certified Associate (CSWA) Udemy 2025
- Data Science with AI-certification CB Tech Institute 2023
- Google Analytics Certification Google Ads Certification Google 2025

SKILLS

- WordPress
- SEO
- Socia Media Branding
- Microsoft Power BI
- Python
- Microsoft Excel
- Data Science AI
- Adobe Photoshop

PROJECTS

Analysis of Spam and Non-Spam Comments in YouTube Videos 2023

- Performed a comprehensive study on YouTube video comments to classify and differentiate spam from non-spam using data analysis techniques.
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Study on the Mechanical Properties of Composite Materials 2020

- Analyzed the mechanical behavior and material properties of Sansevieria cylindrica fiber-reinforced composites