



Shijin Varghese

Assistant Manager

PROFILE SUMMARY

With over 10 years of experience in the automotive industry, I have developed a strong skill set in product development. I have supported senior managers and department leaders in completing projects under tight budgets and schedule demands. I have developed and maintained project documentation for reliable records and mentored staff to enhance performance. I have conducted risk assessments for research and prepared APQP and PPAP documents for new part development. I have also conducted Statistical method to control process and Measurement System Analysis statistically for new part development. My proficiency in AutoCAD, SolidWorks, UGNX, CATIA V5, and Advanced Excel has been instrumental in my role. I am also a Certified IATF 16949 internal auditor from Maruti Suzuki Center of Excellence. I have completed training and internship from IIT Kanpur & Codec Technologies on Artificial intelligence and machine learning using Python, exploring EDA using python, tableau and Power BI

PERSONAL INFORMATION



Email

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Mobile

(+91) 9643750890



Total work experience

10 Years 0 Month



Social Link

<https://www.linkedin.com/in/shijin-varghese-58702684>

KEY SKILLS

R studio, Machine Learning & Artificial Intelligence

Python

Deep Learning,NLP,LLM,Sentiment

Analysis,keras,tensorflow

Risk Assessment

MSA Study

Statistical Process Control

IATF & process audit,

Design Engineering

UGNX, AUTOCAD,SOLIDWORK

EDUCATION

2025

MBA/PGDM in Data Science and Business Analytics
Great Lakes Institute of Management

2014

B. Tech/B.E. in Mechanical Engineering
University of Kerala, Thiruvananthapuram

INTERNSHIP

April 2025

1 month internship on Machine Learning (Covering Linear Regression, Decision Tree, Logistic Regression, Random Forest etc.)

Code Tech IT Solutions Hyderabad AICTE approved

Feb 2025

3 months internship on Artificial Intelligence (Covering RAG LLM, TensorFlow, Sentiment Analysis, NLP etc.)

Indian Institute of Technology Kanpur

WORK EXPERIENCE

July 2024 -
Present

Assistant Manager

Vulcan Cold Forge private limited collaboration with Nitto Seiko (Japanese company manufacturer of Sheet metal and Fastener including nut, bolt, stay rod, sleeve, bush s supply to various automotive OEM companies like Hero, Honda, Jaguar, Range Rover, Matter Mobility s Maruti Suzuki etc.)

Developed and maintained project documentation for reliable records for new parts. Mentored and guided staff to enhance performance and exceed customer expectations. Design Tool, die, Gauge in UG NX and Auto Cad of new parts, conducted risk assessments for research by using source from past trouble history s TGR/TGW and documented in PFMEA. Prepared APQP, Packaging for new part development, submit PPAP

documents to customer. Prepare presentation with the various tool using Tableau, Power BI and python, PowerPoint etc.

Sep 2022-
July 2024

Assistant Manager

Kheria Autocomp limited (Manufacturer of Moulding Exterior, interior s HVAC parts s supply to various automotive OEM companies like MG, TATA s Maruti Suzuki etc.as a TIER 2 supplier)

Developed and maintained project documentation for reliable records. Mentored and guided staff to enhance performance and exceed customer expectations. Conducted risk assessments for research by using source from past trouble history s TGR/TGW and documented in PFMEA. Prepared APQP, Packaging for new part development s submitted PPAP documents to customer as per plan. Conducted SPC, MSA for new part development.

Do various cost saving activity

Aug 2014-
Sep 2022

Senior Engineer

ELIN Electronics Ltd ((Manufacturer of Moulding fuel assembly, HVACs Wiper assembly parts s supply to various automotive OEM companies like Honda s Maruti Suzuki etc.as a TIER 2 supplier)

To study and control the process through Statistical process control (SPC) during new part development, prepare PPAP during any ECN. Prepared packaging standard for existing part during ECN, to conduct product, process audit and system audit, Designing and detailing of gauges s fixture (in UGS NX, SOLIDWORKS, Auto CAD) of components for mass production. Maintained company's internal s external audits program for e.g. IATF 16949, MACE VSA Audit, MSIL Tooling audits etc. Closed all customer audit observation, Documentation and conformance of procedure as per IATF 16949 s ISO 14001.

OTHER PERSONAL DETAILS

City Gurugram
Country INDIA

LANGUAGES

- English
- Hindi
- Malayalam

CAPSTONE PROJECT

	Developed machine learning model to predict salary of employee based on their qualification and work Experience
Jan 2025- Mar 2025	Prepared Exploratory Data Analysis using Python & Tableau, prepared insights and recommendation based on EDA.Developed machine learning model using Random Forest to predict salary based on various variables work experience, qualification etc. and logistic regression to classify employee based on DELHI NCR or Non-NCR
Jan 2024- Mar 2024	Presenting Strategic Analysis of ET500 companies, examining its market position, challenges, and opportunities within its industry. Through a detailed evaluation of the competitive landscape, including a competition analysis and Porter’s 5 Forces

COURSES s CERTIFICATIONS

- core cavity extraction in UG-NX
- part design in UG NX
- ISO 9001:2015 and IATF 16949:2016 internal auditor & VSA auditor
- Artificial Intelligence from IIT Kanpur
- Business Intelligence using Power BI from IIT Delhi
- CNC Turning and milling program from MACE
- Robot making activity by using Arduino in association with IIT Kharagpur
- Maruti Suzuki T2 vendor system audit
- Diploma in designing software like AUTOCAD, SOLIDWORKS, UGNX
- Artificial Intelligence Certification

