



## NIKHIL CHAKRAVARTHY K

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### **PROFESSIONAL SUMMARY:**

Master degree in Mechanical engineering (Computer Aided Design) with **10 years** of Experience in the field of **Product Development & Program Management** (Auto ancillary).

**Green Field Project Pilot for Project management**, product launches & participating Customer events for North & South America regions (CANADA, USA, MEXICO, BRAZIL)

**Technical Project Manager** - Proven Ability to Manage Complex Projects & history of work experience across departments to achieve goals and positive outcomes.

Demonstrated history of experience throughout New Product Design & Development

**[RFQ→DESIGN→DEVELOPMENT→VALIDATION→PROCESS ESTABLISHMENT→SOP]**

#### ❖ **HCL TECHNOLOGIES LTD. (2\* Years)**

Department : Research & development.  
Designation : Technical Lead.  
Commodity : Automotive.  
Period : Dec 2021 to till to date.

#### ❖ **SONA COMSTAR AUTOMOTIVE TECHNOLOGIES (7.1 Years)**

Department : Research & development.  
Designation : Assistant Manager.  
Commodity : Powertrain (**Electric Vehicle & Starter Motor, Controller, Alternator, Battery, Flywheel**)  
Period : Nov 2014 to Dec 2021 @ Base Location in INDIA  
Onsite Deputation : Nov 2017 to Feb 2021 @ COMESTEL AUTOMOTIVE MEXICANA, S. DE R.L DE C.V.

#### ❖ **SL LUMAX PVT. LTD. (1 Year)**

Department : Production Engineering & development.  
Designation : Graduate Trainee.  
Commodity : Automotive Visibility System (**Head Lamp & Rear Lamp**).  
Period : Nov 2013 to Nov 2014.

### **KEY SKILLS:**

- ✓ Project Life Cycle Management.
- ✓ Negotiations / B2B international business development.
- ✓ Benchmarking / DFMEA / DFM / DFA.
- ✓ Engineering Change Management for New Program.
- ✓ Problem solving techniques (FTA, 8D Analysis & soft skills).
- ✓ Fatigue life & Durability improvements techniques.
- ✓ Data acquisition techniques.
- ✓ Electric Vehicle Integration.

## **KEY RESPONSIBILITIES:**

- ✓ Lead project manager to ensure SOP launch while meeting project objectives, including timing, specification, profit, cost, and budget.
- ✓ Primary interface to the customer on project activities, deliverables, including technical issues
- ✓ Understanding RFQ and SOR to analyze the new product requirements.
- ✓ CQF to product realization through simulation of output variables (VEMATS & FEMM tools).
- ✓ Product Data Management – Concept EBOM, MBOM & Design, Specification creation.
- ✓ RPT development for new applications - prototype building & performance verification.
- ✓ Team Leader for Design Failure Mode Effect Analysis (DFMEA).
- ✓ Design Reviewer for DFM/DFA/TGW/lessons learnt/failures with Cross-Functional Team.
- ✓ Design & Production Validation of the product that Includes, Durability, Environmental, NVH, Etc.,
- ✓ Engineering drawing release for product development activities with SCIFF/SCCAF characteristics.
- ✓ Localization of the import product materials based on customer's standards (JIS, SAE, DIN).
- ✓ Key customer contact – technical (product packaging study& specification) and quality.
- ✓ On field product failures analysis for starter variants – Customer end & Inhouse support.
- ✓ Technical Program coordinator for both internal and external customer's open points.
- ✓ Plan & Define APQP deliverables for new programs as per customer and internal milestones.
- ✓ Key responsible person for managing 8D Report, FTA, Timing plan, Risk analysis, Control plan etc.,
- ✓ Ford Covisint portal monthly Updation for program deliverables.
- ✓ Coordination with Vendors for Product Development costing, quality, timing, source selection.
- ✓ Continuous support in Value Analysis/Value Engineering, Quality & Costs improvements.
- ✓ Manage data in client portals and internal project database (Team Center, Code Beamer).
- ✓ Cross Functional Influencer for Marketing, Supplier Technical Assistance, Production, Maintenance, Purchase & logistics on New Product development.

## **CAREER HIGHLIGHTS & ACHIEVEMENTS:**

### **SL LUMAX:**

- ✓ Executed automation in material handling method by installing Pick & place robots.
- ✓ Trouble shooting and stabilization of the process through Process parameter trials.

### **COMSTAR AUTOMOTIVE TECHNOLOGIES:**

- ✓ Represented Ford Connect Project, which brought a high-volume business to the organization.
- ✓ Team member - World lightweight starter motor design & development (1.5 kg).
- ✓ Launched Robust Design Concepts to meet future demands in starter market – Start Stop Drives and Improved life carbon brushes for Ford Passenger & light commercial vehicle applications.
- ✓ Fruitfully implemented the Design & Development of Gear reduction starter motors for Customers,

-  Ford (Europe & North America)
-  Renault Nissan & TML (India)
-  Renault (France& India)

### **COMESTEL AUTOMOTIVE TECHNOLOGIES MEXICANA, S. DE R.L DE C.V.**

- ✓ **STAR OF THE MONTH JUNE 2021**- Successfully accomplishment of Q1 CERTIFICATION with Customer Satisfaction.
- ✓ Plant Manager and Key customer contact responsible for eAPQP deliverables, Schedule A, Manufacturing site assessment (MSA), Capacity planning, SIM reviews & updates.
- ✓ Lead Management Representative for new site launch @ Mexico and to denote for New Customer Business Communications & agreements (RFI, technical proposals, concept designs & validation).
- ✓ Successfully launched various new projects on time within budgeted cost by proper planning of activities and periodical review.
- ✓ Applications launched successfully for,Ford North America – Edge, Explorer & Escape Starter motor applications.

**ADDITIONAL RESPONSIBILITIES:**

- ✓ Study of Customer Specification & requirement for testing & product design.
- ✓ Field monitoring analysis/ Warranty Reduction.
- ✓ Engineering change support for current model/ Cost Reduction activity.
- ✓ Localization/ Benchmarking.
- ✓ Safe Launch support for new product releases.

**TECHNICAL PROFICIENCY:**

- ✓ **Software Packages:** Auto CAD, Creo, VEMATS, SPEED, FEMM.
- ✓ **Data acquisitions & Equipment handled** Oscilloscope, Picoscope, Reflectometer & Elcometer.

**STRENGTH:**

- ✓ Product development manager - Green field project.
- ✓ Knowledge in Product design, Product testing and development activities.
- ✓ Represented new customer applications Design & Development.
- ✓ Maintaining Good Relationship with Customers & Suppliers.
- ✓ Knowledge in Quality systems documentations & procedures.

**ACADEMIC RECORD:**

Course	Institution	University	Year of Completion
Master of Technology (Mechanical- CAD)	SRM University	SRM University	2018
Bachelor of Engineering (Mechanical Eng.)	Sri Venkateswara Institute of Science & Technology	Anna University	2013

**PERSONAL DETAILS**

Date of Birth : 14<sup>th</sup> July 1992  
Marital status : Married  
Nationality : Indian  
Passport No. : L7623860  
Visa : USA & Canada – B1/B2, Brazil – Work permit expired.  
Expiry date : 16/03/2024  
Languages known : **English**- Fluent | **Tamil**- Fluent | **Spanish** – Professional

**PERMANENT ADDRESS**

No. 25 Muthalamman kovil street,  
Camp road, Selaiyur,  
CHENNAI, INDIA. Pin - 600 073.

**DECLARATION**

I solemnly declare that the information furnished above is true to my knowledge

**(Nikhil Chakravarthy K)**