

# ANAND MOHAN

## Manufacturing Engineer

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**Skill Lync Projects:** - <https://lms.skill-lync.com/projects>

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Thiruvananthapuram, Kerala – 695505.

Looking forward for challenging, responsible opportunity as graduate engineer by utilizing my technical and academic skills in delivering the best to industry by meeting the employer's expectations.

### EDUCATION

<b>2023</b>	<b>PG in Manufacturing Design</b> SKILL – LYNC.
<b>2018-2021</b> GPA= 8.18	<b>Bachelor of Engineering –</b> Manufacturing Engineering, CIPET, Chennai, Tamil Nadu
<b>2016-2018</b> 81%	<b>Diploma in Plastic Mould</b> <b>Technology</b> ATPDC, CSTS-CIPET, Madurai, Tamil Nadu.
<b>2014-2016</b> 78%	<b>12<sup>th</sup></b> , HSE, St. Thomas HSS, Amboori, Thiruvananthapuram, Kerala.
<b>2014</b> CGPA=7.8	<b>10<sup>th</sup></b> , SSLC, Chinthalya Vidyalayam, Thiruvananthapuram, Kerala.

### INTERNSHIPS / TRAININGS

Jan 2021	Project work cum Internship <b>Calsonic Kansei Motherson Pvt Ltd.</b> Sriperambatur, Kanchipuram, Chennai.
Dec 2019	Implant Training <b>Travancore Titanium Products Ltd.</b> Thiruvananthapuram, Kerala.
Sept 2019	Industrial Visit <b>Polynova Industries Ltd.</b> Panaji, Goa.

### SOFTWARE SKILLS

- CATIA V5
- Siemens NX
- AutoCAD
- SolidWorks – Ongoing

### CERTIFICATIONS

- Six Sigma Green Belt
- Certification in NX
- Certification in AutoCAD

### INTERPERSONAL SKILLS

- Communication
- Adaptability
- Emotional Intelligence
- Assertiveness

### LANGUAGES KNOWN

- Malayalam – Full Proficiency
- English – Full Proficiency
- Tamil – Moderate Proficiency
- Hindi – Limited Proficiency

### PROJECTS

#### SKILL - LYNC

- **Automotive Plastic Design of Door Trim panel (CATIA V5)**
  - Created the product and aligned with 2-way and 4-way locators, Flanges, Heat stakes and Dog House at specified locations using Part Design, Generative shape Design, and Assembly Design Workbenches.
- **Automotive Sheet Metal Design of Hood, Fender, Roof, and Backdoor (NX, CATIA V5)**
  - Created the products as separate parts and aligned using Assembly constraints under proper design specifications and calculations.

- Mechanical features like cutouts, embosses and mountings for hinge and mastics are provided for shock absorption for all parts and designed with calculated dimension specially for Roof.
- **Automotive Wiring Harness Design for an Engine and Backdoor (CATIA V5)**
  - Wiring Harness for a car with sufficient connectors, clips, mountings as standard parts inserted in Electrical harness workbench to provide Multi-branches and Protective coverings with slack for proper and safe connectivity.
- **Geometric Dimensioning and Tolerancing (NX, CATIA V5)**
  - Understanding the concepts of GD&T with 14 types of tolerances, DOF and executing practically on Butterfly Valve assembly and to its parts separately with the use of software.

## **ACADEMIC**

- **Six Sigma Implementation in an Industry for Improving Productivity by Eliminating Defects in Manufacturing Air-Conditioning system of Cars. (DFSS Methodologies, Microsoft workbenches).**
  - Academic project with an Industry, completed in time limit with wide range of aspects.
  - Used Benchmarking, Brainstorming, Analysis, Teamwork with constant integrated approach along with Tools of Six Sigma.
- **Design and Analysis of Connecting Rod using Modified Composite Materials. (AutoCAD, NX, ANSYS).**
  - Aimed to reduce the weight of vehicular components, emission of greenhouse gases and to promote green and sustainable ecosystem as a trial method.
  - Designed the 2D detailed view of Connecting Rod in AutoCAD, 3D in NX, analysed the key performing factors in ANSYS software's and cross-checked with the industry-oriented results.