# VISHNU MALAYIL
## Malappuram, Kerala | (+91) 8893363009 |
malayilvishnu97@gmail.com

---

## OBJECTIVE:

Seeking a job as a CAE engineer where I can use my extensive experience to help the organization and pursue a challenging career with dedication and provide my efficiency to the fullest in a professional organizational environment.

## EDUCATION:

B. Tech - Mechanical| APJ Abdul kalam Technological University, India. | GPA 6.7/10       (2018-2021).

Diploma – Automobile| Kerala Board of Technical University India.       GPA 7.8/10      (2015-2018).

Higher Secondary --P.K.M.M.H.S.S. Edarikode, Kerala. |                [85 %]                (2012-2014).

S.S.L.C -  **P.K.M.M.H.S.S Edarikode | Kerala**                [95 %]                (2012).

## TECHNICAL SKILLS:

- **CAE - ANSA** Pre-Processing and Analysis.
- .Programming language and simulation**: MATLAB, Simulink, Simscape.

## EXPERIENCE:

**Executive Trainee** at, **ASHOK-LEYLAND** Plant II, Hosur, India. (Oct 2021-oct 2022).

- Production Management as per the shifts and targets.
- Quality analysis as per quality control process .
- Maintain a production flow in the production line by assuring quality checks.

## ACADEMIC PROJECTS:

### SEMI AUTOMATIC PROJECTOR STAND                (08/2020- 07/2021).

- Our aim was to build an adaptive projector stand with 360-degree rotation.
- The projector stands having upward and downward motion possible.
- It can be attached to all types of equipment and controlled using a remote.
- Automatic presentation setting is possible for the model.
- It can be placed in all types of areas by adjusting the lever, rail geometries as per the dimensions.

### HUMA MOTORCYCLE - (Handicapped utility motor assisted vehicle)        (06/2017-03/2018).

- For the physically disabled transportation it is a major hindrance and so the mobility of physically disabled people are among the great concerns of human civilization.
- This project focuses at providing a feasible design solution in form of a user-friendly motorcycle which allows physically challenged to perform their actions without any one's assistance.

## OTHER PROJECTS   (SKILL-LYNC):

### MESHING OF DOOR INNER PANEL,   (CAE –ANSA)

- Checked the model for the Geometrical errors, free edges, manifold lines and fixed them.
- Mid-surfaced the variable thickness plastic components using proper mid-surfacing tools manualy.
- Performed 2D meshing for the model with given quality parameters and target element length.
- Improved the mesh for obtaining a proper mesh flow and minimum number of trias.
- Fixed the quality errors using proper fixing tools and checked for all existing elements for quality errors.
- Model is carried out for final inspection and fixed all the failures.

## 2D MESHING ON THE INSTRUMENTAL PANEL   (CAE-ANSA).

- Checked for the geometrical errors and fixed them with proper options manually.
- Mid-surfaced the component by using the mid surfacing options provided.
- Performed 2D meshing with given quality criteria and tools and improved them for a good mesh flow.
- Fixed the quality errors and improved the geometry and fixed all off elements.

## 3D  MESHING ON THE GEAR CASING (CAE ANSA)

- Checked for the geometrical errors and mesh with the given element Quality criteria.
- performed 3D mesh with given quality criteria and tools and improved them for a good mesh
- perform pre volume checks.
- volume definition
- Generating 3D mesh using tetra mesh.

## MESHING ON THE SUSPENSION ASSEMBLY   (CAE–ANSA.)

- After meshing the component, the thickness is assigned for mid surfaces.
- Used tetra elements to model non-uniform thickness components.
- Used Appropriate connections to connect the component as suggested.

## INTERNSHIP:

### INDUSTRIAL TRAINING – INDUS MOTORS (Maruti Suzuki),   (10/2017-11/2017).

- Gained practical knowledge about machines, Automobiles in general
- Learned the basics on Automobile servicing, Organizational management
- Learned about the mechanical operations carried out in the firm and organization set up.

### Auto CAD Layout & Solar Structure Design HIGH ORBIT CARRIERS Pvt. Ltd .

- During this period, I closely observed the design structure and its inspection.
- Experienced the functioning of various departments and their inter linking.

## CERTIFICATIONS:

- Pre-Processor for structural analysis using ANSA, Skill-Lync, Chennai, India.      (05-2022).
- Introduction to Physical modelling using SIMSCAPE, Skill-Lync, Chennai, India.    (04-2022).
- MATLAB for mechanical engineers, Skill-Lync, Chennai, India.                  (03-2022).

## Extra–Certifications / Leadership Activities:

- NATIONAL SERVICE SCHEME (NSS)                      (2015-2018)
- NATIONAL SERVICE SCHEME                            (2018-21).

## LANGUAGES:

- ENGLISH: Full professional proficiency.
- MALAYALAM: Mother tongue.
- HINDI: Partial professional proficiency.
- TAMIL: Partial professional proficiency.