Karthick Selvam

Phone
8124605192

Date of Birth
14/08/2004

Address
2/119,Ambalakarar Street, Keela Naduvalur,Thuraiyur,Trichy,62104

OBJECTIVE

Expand leadership responsibilities, improve organisational ability to exceed corporate goals, and help honor all long-term commitments made to customers, stockholders, employees and the communities in which we live.

SKILLS

- NX siemens, Solidworks, CATIA v5, Hypermesh, Creo Parametric,
- Meshing, Plastic Meshing, Multi Body Analysis, Structural Analysis, Contact Analysis, Linear and Non Linear Analysis,
- Python, C programming, Matlab scripting, HTML5,CSS.

CONTACT

selvamkarthick8041@gmail.com

EDUCATION

2020 — **Government Boy's Higher Secondary School**
Secondary School Leaving Certificate
64.2%

2022 — **Government Boy's Higher Secondary School**
Higher Secondary Certificate
62.33%

2025 — **Dhanalakshmi Srinivasan Engineering College**
B.E (Aerospace Engineering)
7.27

PROJECTS

Hexahedral Meshing of a Car Bumper Using Altair HyperMesh
This project focuses on creating a high-quality hexahedral mesh for a car bumper using Altair HyperMesh. Hexahedral meshing is critical for achieving accurate results in structural, crashworthiness, and durability simulations. The workflow involves geometry preparation, partitioning the model for structured meshing, and using advanced meshing techniques available in HyperMesh. Special attention is given to maintaining mesh quality metrics like aspect ratio, skewness, and element continuity to ensure precise analysis.

Design and Assembly of Valve using NX Software
This project involves designing and assembling a complete valve system using Siemens NX CAD software. The system comprises several critical components, including a Bold,Frame, Bush,Cover, Key, Nut, Plate, and T-bold assembly. Each part will be meticulously modeled, dimensioned, and assembled to create a functional valve assembly.

WORKSHOP

Advanced Materials for Thermal Energy Application

INTEREST

I am eager to explore the ANSYS tool in depth

COURSE COMPLETION

Siemens NX Mastery : 500 Examples | 20 Project | 300 Q&A| 10 Test

Altair Hypermesh : Learn Meshing and Linear Static Analysis

Signature: _____
Karthick Selvam