ELAVARASAN E

DESIGN ENGINEER

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Profile

Mechanical Engineer with expertise in CAD design, QA/QC protocols, and reverse engineering. Proven track record of managing diverse freelance projects, specializing in retrofitting legacy systems and delivering high-precision engineering solutions. Committed to technical excellence and cross-functional versatility.

Education

Info institute of engineering

B.E. in Mechanical Engineering   2017 - 2020

Skills

- AutoCAD
- SolidWorks
- Creo
- NX-CAD
- Autodesk Inventor
- Creo Wiring Harness

Experience

2021-2022 | Tamilan vmc engineering

- **Design Engineering:** Engineered high-precision VMC components, jigs, and fixtures using CAD software to streamline manufacturing processes.

- **Marketing Leadership:** Spearheaded B2B client acquisition and market expansion strategies, bridging the gap between technical capabilities and client requirements.

2022-present | Lasak Edu

- **TRAINER:** Trained all cad software's like Autocad, Solidworks, Creo, Catia, Nx cad, etc.,
- Giving Knowledge about basic to advanced Engineering and mechanical technical
- Trained GD&T concepts.

Lasak technologies

Design Engineer:

- Create 3D Models in Cad Softwares

- Create Simulation in Analyzing Softwares

- Held Projects in Reverse Engineering Projects, Retro - Fitting Projects, Pattent Projects

Industry Knowledge

- Engineering Drawing
- Drafting
- 2D Drafting
- 3D Modelling
- Plastic Design
- Sheet Metal Design
- Fixture Design
- Wiring Harness Design
- GD & T Symbols.

PROJECTS

1. **REVERSE ENGINEERING PROJECTS**

   - E-Load vehicle using SOLIDWORKS
   - Hydraulic Brake using CREO
   - TOY modelling - JCB using SOLIDWORKS
   - Eccentric Gear Mechanism using SOLIDWORKS
   - Arichitectural Design using AUTOCAD

2. **RETROFITING PROJECTS**

   - JAGUARD MACHINE using SOLIDWORKS

3. **PATTERN PROJECTS**

   - STEAM BOILER using NXCAD
   - SPECIAL CHAIR using CREO
   - WATER BOTTLE using CREO