

KEERTHY A T

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PROFESSIONAL SUMMARY

Motivated **B.Tech Mechanical Engineering** graduate with **CGPA 8.52**, possessing strong expertise in CAD modeling, design optimization, and manufacturing processes. Proficient in SolidWorks, AutoCAD, and Autodesk Fusion 360 with practical exposure to product design and polymer processing. Seeking an entry-level mechanical design or manufacturing role to apply technical knowledge and innovative problem-solving skills.

EDUCATION

- **B.Tech – Mechanical Engineering | CGPA: 8.52** – Government Engineering College, Palakkad
- Higher Secondary Education – State Board of Kerala – 97.07%
Class X – CBSE – Islamic Central School, Ottapalam – 86%

INTERNSHIP EXPERIENCE

- **Design Engineer Intern – D-RUBE LABS AND RESEARCH** : Developed 3D mechanical models, assisted in design optimization, prepared detailed technical drawings, and supported product development activities.
- **Intern – Central Institute of Petrochemical Engineering and Technology (CIPET)**: Worked on injection molding and extrusion processes, conducted polymer material testing, and performed quality analysis.

TECHNICAL SKILLS

- CAD Software: SolidWorks (Certified), AutoCAD (Autodesk Certified), Autodesk Fusion 360 (Certified)
- Core Subjects: Thermodynamics, Fluid Mechanics, Material Science, Structural Engineering
- Manufacturing Exposure: Machining, Casting, Welding, Plastic Processing

WORKSHOPS & TRAINING

- **NX CAD Workshop – ISTE GEC Palakkad**: Advanced 3D modeling, assembly design, drafting fundamentals.
- **Structural Engineering & ETABS – TechMagi & IIT Delhi**: Structural analysis, load calculations, ETABS basics.
- **Electric & Hybrid Vehicle Fundamentals – TechMagi & IIT Delhi**: EV powertrain architecture, battery technologies, energy management.
- **Technical Presentation – Women Entrepreneurship – VSSC**: Delivered technical presentation highlighting innovation and leadership.

CERTIFICATIONS

- **Autodesk AutoCAD Certified** – 2D/3D Drafting & Design
- **SolidWorks Certified Professional** – 3D Modeling & Design Optimization
- **Autodesk Fusion 360 Certified** – Parametric & Direct Modeling
- **NPTEL Certification** – Fundamentals of Manufacturing Processes