**RAKESH SHARMA** Pune, India | +91-98765-43210 | rakesh.sharma.mech@gmail.com | LinkedIn

### **Professional Summary**

Detail-oriented **Mechanical Design Engineer** with 1.5 years of experience in **product design**, **CAD modeling**, and **manufacturing support**. Skilled in **AutoCAD**, **SolidWorks**, and **finite element analysis** tools for structural and mechanical components. Strong understanding of product lifecycle and production constraints.

### **Work Experience**

**Mechanical Design Engineer** **L&T Technology Services | Pune | Jan 2023 – Present**

* Designed mechanical components and assemblies using **SolidWorks** and **AutoCAD**
* Collaborated with cross-functional teams to resolve manufacturing constraints
* Conducted tolerance analysis and FEA simulations to ensure durability
* Optimized designs to reduce material usage and improve production efficiency

**Intern – Manufacturing Division** **Bharat Forge | Pune | May 2022 – Jul 2022**

* Supported process documentation and inspection of machine parts
* Assisted quality engineers in evaluating defects in casted parts

### **Education**

**B.Tech – Mechanical Engineering** MIT Academy of Engineering, Pune | 2018 – 2022

### **Skills**

* **CAD Tools**: AutoCAD, SolidWorks, CATIA
* **Simulation**: Ansys, COMSOL (basic)
* **Engineering Concepts**: Design for Manufacturing, GD&T, FEA
* **Soft Skills**: Technical Documentation, Team Collaboration

### **Certifications**

* AutoCAD Certified Professional – Autodesk
* FEA in Ansys – Udemy
* Mechanical Design Specialization – Coursera

### **Projects**

**Electric Scooter Chassis Design**

* Designed 3D CAD and performed stress analysis; weight reduced by 18%

### **Languages**

English, Hindi, Marathi