

Siddharth Rao

Mechanical Design Engineer

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PROFILE

Mechanical design engineer with 5 years in automotive components. I take parts from concept and simulation to tooling and production, with a strong eye for cost and manufacturability.

EXPERIENCE

Design Engineer

Kestrel Mobility, Chennai | 2021 – Present

- Design brake and suspension brackets for two-wheeler platforms.
- Cut part weight by 14% with topology optimisation while meeting fatigue targets.
- Work with suppliers on DFM reviews and PPAP submissions.

Graduate Engineer Trainee

Kestrel Mobility, Hosur | 2019 – 2021

- Supported CAD modelling, drawings and GD&T for 60+ parts.
- Ran FEA studies for bracket redesigns.

EDUCATION

B.E., Mechanical Engineering

Northern Institute of Engineering & Technology | 2015 – 2019 | CGPA 8.6 / 10

SKILLS

3D CAD & drawings | GD&T | FEA | DFM / DFA | Tolerance stack-up | Root cause analysis

TOOLS

SolidWorks | CATIA | ANSYS | Creo | MATLAB

CERTIFICATIONS

- Certified SolidWorks Professional

AWARDS

- Cost Saving Award, Kestrel 2023