

HEMANTH KONDA

Product Design Engineer

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DIGITAL SKILLS

- Solidworks
- Fusion 360
- Blender
- Ansys
- COMSOL
- Keyshot
- Adobe Creative Cloud

CORE SKILLS

- Mechanical Systems Design
- Structural Design and Analysis
- Electromechanical Design
- Manufacturing Design
- New Product Development
- PLM & QC
- Reverse Engineering
- Product Visualization

EDUCATION

PG in Digital Manufacturing and Smart Factories
IISC, Bangalore 2024

B.E in Mechanical Engineering
CBIT, Hyderabad 2016

Diploma in Automotive Engineering
Govt Polytechnic, Hyderabad 2013

EXPERIENCE

Industrial Design Engineer

Core Experience (Machani Group) | Bangalore

Sep 2022 – Present

- Conceptualizing and creating innovative product designs that meet user needs and market demands.
- Translating concepts into detailed DFM data considering materials, manufacturing processes, and cost-effectiveness.
- Prototype and conduct rigorous testing to evaluate and refine designs to meet quality and performance standards.
- Evaluating the project technical and economic feasibility for product development.
- Maintaining the product's aesthetic appeal and user experience.
- Collaborating with engineers, manufacturers, and OEMs for batch productions.

Head of Design & Manufacturing

Footloose Labs | Bangalore

May 2021 – Feb 2022

- Design and development of AGV robotic systems for assistive warehouse automation for industrial needs.
- Supervised manufacturing and assembly, including verification of system commands and structural analysis in serve environments.
- Create and manage database for engineering and design instrument index generation.
- Performed quality checks and design verification using CAD and simulation tools.

Industrial Design Engineer

OpenApp | Bangalore

Mar 2018 – May 2021

- Collaborated and built IoT consumer products hardware alongside developers and manufacturers.
- Supported projects by providing DFMA and DFMEA to fellow engineers and fabricators.
- Drafting and articulating the design process and batch performance data for product life management and analysis.
- Research and innovation on hardware systems and patent filings.

Design Engineer

Frugal Tech | Hyderabad

Nov 2016 – Mar 2018

- Interaction with clients to understand their project requirements, objectives, and constraints.
- Establish clear communication channels to ensure that client expectations are met.
- Solution design and development of prototype from the concept stage to manufacturing-ready design data.
- Collaborating with engineers, manufacturers, and OEMs for batch productions.