



PROFESSIONAL SUMMARY

Proficient in using AutoCAD and SolidWorks to develop detailed 2D and 3D models, technical drawings, and manufacturing specifications. Strong understanding of materials, manufacturing processes, and industry standards, ensuring designs are both functional and manufacturable. Excellent problem-solving abilities and collaborative skills, working effectively with cross-functional teams to bring innovative concepts to life.

KEY EXPERTISE

AutoCAD SolidWorks Manufacturing Processes Design for Manufacturing Production Productivity
Time Management

EDUCATION

Parul University 2022 - 2026

B.Tech. - Mechanical - PIET | CGPA: 6.57 / 10

Parul University 2024 - 2025

Diploma - Industrial Design (Part Time) | CGPA : 7.20 / 10

Government Polytechnic Jamnagar, Jamnagar 2022

Diploma | Diploma - Mechanical Engineering | GTU | CGPA: 7.88 / 10

St Ann's English Medium School Varvala, Dev Bhumi Dwarka 2019

10th | GSEB | Percentage: 63 / 100

PROFESSIONAL EXPERIENCE

Tata Autocomp System Ltd | Automotive / Ancillaries / Automobile | Quality Control 01 Jan, 2026 - Present

Lead Quality Control

Key Skills: Quality Control Production PDI Paint Defect Assembling

Devi Turnomatics Pvt LTD. | Manufacturing / Core | Quality Control 03 Jul, 2022 - 17 May, 2023

Q.C Inspector

Key Skills: QC Profile Measurement Product Management Production Time Management

I Have Learnt There All Q.C Tool and many more things.

PROJECTS

Experimental Analysis of Pulsating Heat Pipe using different working fluids and Heat inputs. 15 Jul, 2025 - 26 Nov, 2025

Mentor: Prof. Kamlesh Parmar | **Team Size:** 2

Key Skills: Leadership Time Study Costing Product Design Product Management

This project presents an experimental analysis of a Closed-Loop Pulsating Heat Pipe (CLPHP) developed for passive heat transfer applications. The system is experimentally investigated using Deionized Water, Methanol, and Ethanol as working fluids under varying heat input conditions. Temperature variations at the evaporator and condenser sections are recorded, and the performance of the system is evaluated based on thermal resistance.

Pulsating Heat Pipes offer several advantages over conventional heat pipes due to their simple structure without complex wick arrangements, which allows greater design flexibility and lower manufacturing cost. They also demonstrate effective heat transfer under fluctuating thermal loads. Because of these features, PHPs are widely used in battery cooling systems for electric vehicles, electronic thermal management, renewable energy harvesting systems, and space and aerospace thermal applications. This study highlights the role of working fluid selection in improving the thermal performance of PHP systems.

PERSONAL INTERESTS / HOBBIES

- o Photography
- o Video editing
- o Designing
- o Listening Music
- o Shayari

IMs

- o WhatsApp - 8780658663
- o Other - <https://darshanbhayani.vercel.app/>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: BH. Hotel Fortune Palace, Retva Paru,
Shindhva Gali- Dwarka, Dev Bhumi Dwarka, Gujarat, India -
361335

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Date of Birth: 21 Oct, 2002

Known Languages: English, Hindi, Gujarati

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