



PARTH RAVAL

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Industrial Designer with 6+ years of industrial and academic experience.



Portfolio



Website



<https://www.linkedin.com/in/parthmdes16/>



<https://www.behance.net/parthmdes16>

PROFILE SUMMARY

- ✓ Leveraging 6+ years of industrial and academic experience to strategies, design and implement a solution that combines Utility, Usability & User-experience.
- ✓ 12 mentored projects have IPR filing. 8/12 projects got Govt. funding to develop products. Mentored project got 15 Lacs of MSME (Ministry of Micro, Small and Medium Enterprises) funds for product development.
- ✓ Worked with Gujarat Police and Cybercrime for 3D mapping & Immersive solutions for the Rathyatra 2023, Surat Ganesh Visarjan 2023 and Vibrant Gujarat 2024 projects. Provided Product Design solutions to ISRO (Indian Space Research Organisation) scientists in collaboration with Seagull GNSS Pvt. Ltd.
- ✓ Exceptional at leading New Product Development projects & Technical Complex Projects.
- ✓ Core proficiency in New Product Development, Emerging technologies such as Immersive Media Design, Additive Manufacturing & Technical Conversion of Concept Design.

EDUCATION

- ✓ **Indian Institute of Technology Delhi | 2016 - 2018**
Master of Design - Industrial Design | 8.078 / 10 CGPA
- ✓ **Gujarat Technological University | 2012 - 2016**
Bachelor of Engineering - Mechanical Engineering | 7.79 / 10 CGPA


INDUSTRY SEGMENTS EXPERIENCE

- | | |
|------------------------------|--------------------------------|
| ✓ Home appliances | ✓ Tangible product development |
| ✓ Engineering products | ✓ User Research |
| ✓ Immersive Media Design | ✓ Education |
| ✓ User Centric Design | ✓ Design for Manufacturing |
| ✓ Smart products & solutions | ✓ Product Evangelism |

CORE COMPETENCIES

- | | |
|---------------------------------|--------------------------------------|
| ✓ Research methodologies | ✓ 3D Printing |
| ✓ Concept generation | ✓ CAD - CAM & Technical conversion |
| ✓ Iterations & Ideation | ✓ Rapid prototyping and Beta testing |
| ✓ Sketching & Digital rendering | ✓ Engineering Design |


PROFESSIONAL EXPERIENCE

 **UPES**
Assistant Professor - Senior Scale
Location: Dehradun, Uttarakhand, India

Dec' 24 - Present

Significant Highlights:

- Departmental representative for Internal Quality Assurance Cell (IQAC).
- SEED 2025 Grant winner | Developing "Story of Ashwathama - An Immersive Experience" for Uttarakhand Government.

 **Anant National University**
Design Consultant & Educator
Location: Ahmedabad, Gujarat, India


Sep' 19 - Nov' 24

Significant Highlights:

- Executing Product Design, design management as well as academic work as a senior faculty.
- Worked as Project Lead (Technological) for the Rathyatra 2023, Surat Ganesh Visarjan 2023 and Vibrant Gujarat 2024 projects. Methods Used: Photogrammetry, 3D scanning, Point cloud data & Mesh refinements, 3D mapping & immersive development.
- Provided Product Design solutions to ISRO (Indian Space Research Organisation) scientists in collaboration with Seagull GNSS Pvt. Ltd.

Key achievements:

- 8/12 mentored projects got funding from the Government for prototype development under the Student Start-up Innovation Policy (SSIP).
- Mentored project got MSME (Ministry of Micro, Small and Medium Enterprises) grants of INR 15,00,000.
- The team established 2 Labs.
 - 1. Futureshift - Advanced Product Design Lab
 - 2. Earthlink 23.72 - Ai & Hypervisualisation Lab
- The team won 2nd prize in the 75th Azadi ka Amrit Mahotsav National Contest and got funds to develop a proof of concept.

 **Thought 2 Things**
Design Lead
Location: Pune, Maharashtra, India

Mar' 18 - Feb' 19

Significant Highlights:

- Developed lifestyle accessories-based products. Increased 15% in sales by design strategies as a Bootstrap start-up.
- Headed design team, manufacturing team and outreach team. Designed solutions in various segments such as Lifestyle accessories, Healthcare design, Technical complex products and Simple Product Design.

Key achievements:

- Designed food plate that helps to reduce 2% body fat by reducing accessive oil. Plate absorbs accessive oil from the typical Indian dishes.
- Collected INR 20,00,000 with a crowd-funding approach.
- Created 3 USPs that increased brand value among existing solution providers.



Rudra Design Studio

Founder & Mentor

Location: Ahmedabad, Gujarat, India

Mar' 19 - Present

Industrial Design-based services & Mentorship.



PepsiCo

Design Intern | Global Value Innovation Centre

Location: Gurugram, Haryana, India

Nov' 17 - Jan' 18

Significant Highlights:

- Involved in the Research team for the Mountain Dew campaign. We interviewed the youngest Mt. Everest climber, Mr. Arjun Vajpai.
- Technical component Design, Design for Manufacturing and testing, Concept generation & POC development.

Key achievements:

- Designed 3 engineering components for fitment and mounting. All 3 POCs were trail tested.
- 2 concepts were selected for POC development as a New Product Development.

AWARDS & RECOGNITIONS

- ✓ Won 1st Prize in Oral Presentation, 3rd International Young Researchers' Conclave (IYRC), 2025.
- ✓ SEED 2025 Grant Winner at UPES | SSIP (Innovation Grant) Winner at Anant National University.
- ✓ The team won 2nd prize at 75th Azadi ka Amrit Mahotsav Hackathon 2023.
- ✓ 2 time finalist in Global SHAPL Design Challenge.
- ✓ External Mentor at Design Innovation Centre, AVPTI Rajkot zone, GTU.

SOFTWARE COMPETENCIES

- ✓ **Immersive Media Design:** Gravity Sketch, Reality Capture, Unreal Engine, XCode
- ✓ **CAD Modelling (Surface & Solid):** Autodesk Fusion 360, Solidworks, Rhino, Shapr3D
- ✓ **Editing:** Adobe Photoshop, Illustrator, InDesign
- ✓ **Rendering:** Keyshot, Blender, Lumion
- ✓ **3D Printing:** Flashprint, Cura 3D, Fusion 360

MEMBERSHIP

- ✓ Project Management Institute - Gujarat, India Chapter | ID - 9824216

CERTIFICATES

- ✓ 4 courses on 3D Printing, by University of Illinois at Urbana-Champaign
- ✓ Product Design: The Delft Design Approach, by TU Delft Netherlands
- ✓ AutoCAD Associate & Professional