

Rishikesh Sonawane

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Summary

Industrial Designer specialising in Product Design & Innovation, R&D, Transportation Design. Highly Proficient in Product Sketching/Visualisation, 3D modelling using industry-leading software and High-end Prototyping with a combined experience of more than 3 years. Previously worked with A.O. Smith India, to develop designs for water heaters and purifiers (FMEG), two of which were developed, manufactured & launched pan India. Collaborated with Havells India to innovate and design a new kitchen appliance for the Indian market. Worked as a Lead Designer at Mauz Tech India to develop a privacy/data security/storage hardware device. Currently working as a Project Associate (Transportation Design) at IIT Bombay as Boat Designer and Systems Planner for Houseboats. Simultaneously consulting MasterPlast India & Novita Healthcare for ID development of a portable, reusable nutraceutical tablet dispenser.

Experience

[1] Project Associate

Indian Institute of Technology, Bombay

Jan 2024 - Present (Full-time On-site) Location - Mumbai

Project Associate (Transportation Designer) - Boat Design & Systems Planning for Houseboats. Key responsibilities include translating research & development of concepts/solutions into scale ready virtual and physical 3D models in Rhino7. Preparing layouts and designs (above hull) keeping in mind boat configuration (plumbing, electrical, access for service) interior/exterior appeal & client experience satisfaction. Applying usability and assembly of design infrastructure - from making to deployment for concept feasibility.

[2] Industrial Design Consultant

Novita Healthcare Pvt.Ltd & MasterPlast India Pvt.Ltd

May 2024 - Present (Freelance Remote) Location - Mumbai

A collaborative industry project between MasterPlast India & Novita Healthcare in development of a refillable portable Nutraceutical tablet dispenser.

Key responsibilities: Developing various pill dispensing mechanisms as per CAD compliance - manufacturing requirements. Emphasis on function, scale & aesthetics to enhance product experience and ease of use. Designing in accordance to global noms for Pharma/Healthcare products. DLP & SLS prototyping for durability/reliability testing & user validation.

[3] Industrial Designer

MAUZ.TECH

Jun 2023 - Jan 2024 (8 months) Location - Mumbai

Product Developer & Designer - Designed a wireless mouse that combined private data security & storage. Developed designs to accommodate & support unconventional hardware, creating unique impressions via form and consumer experiences.

[4] Industrial Designer

Havells India Ltd

Feb 2023 - May 2023 (4 months Full-time Hybrid) Location - Bangalore & Noida

Collaborative Company Project for 8th Semester - Innovating applications and benchmarks for a new pan-India electric kitchen appliance. Market/competitor research to pinpoint solution sets & areas of intervention. Designed and developed configurations in usability, design and manufacturability. Scale & efficacy testing using physical prototypes.

[5] Industrial Design Summer Intern

A. O. Smith Corporation

Jun 2022 - Jul 2022 (2 months Full-time On-site) Location - Bangalore

Designed for India: launched December 2023.

[1] EWS Instant water heater - 03 litre

[2] Elegance Prime Storage water heater (vertical & horizontal) - 10,15 & 25 litre

Key responsibilities involved developing multiple new designs for upcoming water heater and purifier products considering manufacturing compatibility and competitor benchmarks. Redesigned existing products for upgraded technologies and aesthetics. Multiple deliverables were selected as potential designs for India and other Asian markets, out of which two were manufactured and have been launched in the Indian market.

[6] Product Developer & Designer

Antara Education

Jul 2021 - Dec 2022 (1 year 6 months Freelance Hybrid) Location - Mumbai

Designed and Developed 3D printable interactive puzzle models for science kits provided to underprivileged students under 16 years of age. The design was made for affordable and efficient additive manufacturing as well as for safe and immersive interaction for the user age group.

[7] Packaging Design and Branding

KWANZ Hygiene Foods Pvt. Ltd

Jan 2022 - Feb 2022 (2 months Freelance Hybrid) Location - Mumbai

Designing Packaging and Branding for various-sized Saffron Spice glass containers. Creating a Brand Identity for current & prospective products in accordance with the user group of a specific region.

[8] Business System-Service Designer

Upward Spiral Consulting Pvt.Ltd

Mar 2021 - Jun 2021 (4 months Freelance Remote) Location - Mumbai

Upward Spiral is a organisation focused on designing behaviour change programs to create social impact. A Mascot and Brochure was Designed for this NGO spreading sanitation awareness in rural India. Designing charts/diagrams for rural inhibitors describing the decomposition of waste in septic tanks and convincing them to take a step towards better sanitation.

[9] Packaging Design and Branding

Boiling Point Communications (P) Ltd

May 2021 - Jul 2021 (3 months Full-time On-site) Location - Mumbai

Packaging design and Branding for cocktail mixing drinks. Illustrating mascots for 7 various flavours as stickers for glass bottles.

Education

Srishti Manipal Institute of Art, Design and Technology

Bachelor of Design (B.Des), Bangalore University, Industrial and Product Design

2019 - 2023 (Grade A+)

College Education

DG Khetan International

University of Cambridge - A Levels, Physics, Mechanics, Chemistry, Pure/Statistical Mathematics, English

2017 - 2019

Higher Secondary Education

Gundecha Education Academy

University of Cambridge - IGCSE, Physics, Chemistry, Biology, Mathematics, Economics, Business Studies, English, Hindi

2013 - 2017

Primary & Secondary Education

Skills

Industrial Design • Product Research, Development & Innovation • Research Methodology & Competitive Analysis • GMP (Good Manufacturing Practices) • DFMA (Design For Manufacturing & Assembly) • Transportation Design • Advanced Prototyping • CAD Compliance • Rhino 3D • KeyShot • Adobe Suite • FMEG (Fast Moving Electrical Goods) • Industry 4.0

Honors & Awards

Bengaluru Design Week - World Design Organisation

Dec 2022

7th Semester Pre- Thesis Transportation project on Micro Mobility; the working prototype of my designed Electric Micro Transit (Pre-Thesis) vehicle was presented for Srishti Institute of Art, Design & Technology at the Bengaluru Design Festival Conference 2022.