

# Shreyas Gharat

## Industrial Designer

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### EXPERIENCE

#### Shop Technician

(July 2024 - Present)

##### Savannah College of Art and Design (SCAD), Savannah, GA

- Provide technical consultation on material selection, fabrication methods to 100+ students, advising on manufacturability, process feasibility, and performance across industrial and product design.
- Lead a team of 5 across 4 facilities, training staff in fabrication methods to support safe and effective prototyping workflows.
- Maintain OSHA compliant shop environments and ensure full operational readiness across all fabrication spaces.
- Maintained standard safety and tool documentation, streamlining student onboarding and reducing staff intervention for shop use.

#### Industrial Designer (Contract)

(August 2023 - November 2023)

##### Zero-Gravity, Savannah, GA

- Led end to end redesign of commercial zero gravity flight suit, transforming a generic military jumpsuit into a performance driven garment optimized for weightless maneuverability, thermal regulation, and gender inclusive functionality across diverse user needs.
- Conducted ethnographic research with 23 participants including 2 crew members and 1 pilot through structured interviews and video analysis, identifying 8 critical usability pain points in mobility, ventilation, pocket accessibility, and gender inclusivity.
- Specified and sourced textiles from U.S. manufacturers that were waterproof without visible water staining, odor resistant during extreme exertion, breathable with 4way stretch for unrestricted movement, and color matched to brand standards, integrating into ergonomic redesign.
- Created comprehensive manufacturing tech pack including bill of materials, U.S. supplier specifications, pattern grading details, stitch construction sequences, and assembly instructions for seamless vendor production handoff.
- Developed 3 concept iterations through sketching and 3D modeling, evaluated 15 material samples for performance and manufacturability, and delivered 1 fully functional sewn prototype with complete technical documentation for immediate operational and production replication.

#### Product Designer

(July 2021 - June 2022)

##### Self-Employed, Mumbai, India

- Built 3D product models in Fusion 360 and created photorealistic product renderings in KeyShot for consumer product and architectural visualization clients, delivering marketing ready visual assets for websites, brochures, and client presentations.
- Designed high fidelity user interfaces in Figma for web dashboard and mobile applications, restructuring information architecture to improve task flow clarity and reduce user friction across 2 digital product platforms.

#### UX Designer (Contract)

(April 2021 - July 2021)

##### Avegen Health, Pune, India

- Collaborated with cross functional teams at Pear Therapeutics UK to design digital therapeutic applications for postpartum depression, migraine, and tuberculosis patients, applying user centered methodologies based on ethnographic research and usability testing.
- Created wireframes, interactive prototypes, and responsive mobile screens using research based patient assessment questionnaires that contributed to approximately 20% increase in patient engagement through gamification and motivational design strategies.
- Designed real time analytics dashboards for healthcare providers to monitor therapy effectiveness and patient engagement patterns.

#### UI/UX Designer (Contract)

(Jan 2020 - May 2020)

##### Truckola Technologies, Mumbai, India

- Led end to end UX redesign of vendor and client mobile applications in Adobe XD, conducting on site usability testing with 10 drivers and 3 vendors to identify critical workflow issues driving excessive customer support queries.
- Collaborated with 3 developers and product stakeholders over 4 months to deliver reusable UI components using Figma design systems, ensuring visual consistency and technical feasibility within sprint timelines while simplifying booking and tracking flows.

### SKILLS

**Design & Research** – Industrial Design, Product Design, Concept Sketching, Ideation, 3D Modeling & CAD, Rendering & Visualization, Rapid Prototyping, Design for Manufacturing, Color Material & Finish (CMF), Tech Pack, Technical Documentation, Ergonomic Design, User Research, Ethnographic Research, Usability Testing, Journey Mapping, Competitive Analysis, 3D Printing, Laser Cutting, Vacuum Forming, Woodworking

**Tools & Software** – Rhino 3D, Fusion 360, Autocad, KeyShot, Vizcom, Figma, Adobe Creative Suite (Illustrator, Photoshop, Premiere Pro, Lightroom), JIRA, Miro, Midjourney, Stable Diffusion

### EDUCATION

#### Master of Arts (MA) Industrial Design

(September 2022 - March 2024)

Savannah College of Art and Design

Savannah, GA, USA

#### Diploma Product Design

Indian School of Design and Innovation (Parsons School of Design)

Mumbai, MH, INDIA