Nihar Parekh

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SUMMARY

Keen to leverage my engineering background while seeking to enhance my design skills in the field of Industrial/ Product design. I am passionate about creating innovative and efficient products. Actively looking for opportunities to contribute my design skills to make a positive impact on the world.

RECOGNITION

• European Product Design Award 2022 for Project 'Walk for Water?'.

• James Dyson Prodct Design Runner up 2022 for project 'PolyAlRene'.

RELEVANT COURSES

• Parametric **Product Modelinvg**
• **Brand** and Visual Design
• **3D Design** Methods
• **Soft Goods** Design
• Service Design & Brand
• Human Factors and **Ergonomics**
• Human-Centered Design
• Interactive Product Design
• Rapid Design Visualization
• Design Interactive Environments
• Design Studios

SKILLS

DESIGN

• Adobe CC
• Fusion 360
• SolidWorks
• Blender 3D
• Keyshot
• Figma
• Sketching
• Concept dev.
• Product rendering
• Design Thinking
• Brand Language

DEVELOPMENT

• Wireframe
• Ergonomics
• Journey Maps
• User Research
• Stakeholders
• Ideation
• Storyboarding
• Prototyping
• 3D Printing
• Power tools
• Arduino
• Python

EDUCATION

Masters in **Industrial Design**
Georgia Institute of Technology, Atlanta, GA
Aug 2021- May 2024
GPA: **3.4**

Bachelors in **Mechanical Engineering**
NMIMS University, Mumbai, India
Jul 2017 - Apr 2021
GPA: **3.1**

EXPERIENCE

Cognizant Intern
Lead in designing 3D visuals and environments for a sponsored project. **Designed an interactive experience** for users within an autonomous vehicle of the future. The team leveraged the visual data from external cameras to produce live and ever-evolving music using granular synthesis among other features.
Jan 2023 - May 2023
Atlanta, GA

Euclidean Education
Hosted a workshop on the topic 'Product Design and Development' for a tri-event competition. **Gave guidance to students** designing their own products and gave a presentation about how to identify and solve problems using product design and development.
Apr 2023
Atlanta, GA

Matterport Intern
Created a vocational training platform concept using their **proprietary 3D scanning technology** for a sponsored project. This concept enables **safer** and **cheaper** training of new employees for risky jobs. The employee can train in a 3D scanned replica of their warehouse/ shipyard/ factory etc.
Aug 2022 - Dec 2022
Atlanta, GA

Centers for Disease Control and Prevention (CDC)
I was hired as a **research assistant at GaTech** and **advised a team of designers** to make an analog centrifuge to be manually used in labs with unreliable power grids.
May 2022 - Jul 2022
Atlanta, GA
Prof. Wendell Wilson

RESEARCH

A. Kohli, H. Makad, **N. Parekh**, S. Pandey, D. Sawant, and R. Terkar, "Comparative Study and Analysis of Lower Extremity Exoskeletons," 2021 5th International Conference on Intelligent Computing and Control Systems (ICICCS), 2021, pp. 889-894, Doi: 10.1109/ICICCS51141.2021.9432151

This review paper serves as a comparison between 20 commercial Lower-Extremity Exoskeletons and an **analysis of common design trends.**

PROJECTS

• Slurp Planter: Slurp is a **sustainable** dehumidifier that automatically generates, stores and distributes water to indoor house plants.

• Walk for Water?: A solution that incorporates materials engineering in our systematic design to aid in collecting water on site without electricity. Moreover, the **system design** helps in water treatment and groundwater recharge.

• L.E. Exoskeleton: A **rehabilitative** 3D-printed exoskeleton that has 6 DC motors. A super **cheap and reliable alternative** to commercially available models.

• Afternship: Afternship is a platform powered by Matterport that allows users to get vocational training and certificates online with **safer virtual training.**