

Amey Sogodekar

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SUMMARY

Mechanical Engineer and Industrial Designer with expertise in development of human-centered, ergonomic design for complex products. Seeking opportunities where I can apply Product Design skills to solve real-world societal challenges.

EDUCATION

University of Pennsylvania, Philadelphia PA <i>Masters of Integrated Product Design Candidate</i>	May 2026
Dr Vishwanath Karad, MIT World Peace University, Pune, India <i>Bachelor of Technology: Mechanical Engineering</i> Cumulative GPA: 8.71/10	June 2021

SKILLS

Solidworks, Autodesk Fusion, Rhino, Photoshop, Problem Solving, Machining, User Research, Visual Design, Figma, User Experience Design, Design Thinking, 3D Printing, Storyboarding, React Native, Typescript, Java, Python, Redux Toolkit

RELEVANT EXPERIENCE

Cognizant Technology Solutions, Mumbai, India <i>Associate</i> <ul style="list-style-type: none">Performed end-to-end software application testing to identify stakeholders' pain points and provide targeted improvement recommendations.Created comprehensive test plans and test cases by thoroughly analyzing end-to-end application process and anticipating user interactions to ensure complete coverage and usability.	Dec 2021 - Aug 2024
Copia Consultancy Services, Mumbai, India <i>Front End Developer and UI/UX Designer (Internship)</i> <ul style="list-style-type: none">Demonstrated expertise in UX Design principles and methodologies, applying them to create intuitive and visually appealing mobile interfaces that enhance user engagement and satisfaction by applying visual design and user experience principles.Developed cross-platform mobile application using React Native framework, applying principles from Computer Science and leveraging Typescript and its ecosystem to create responsive and user-friendly experiences.	May 2021 - Dec 2021
Upliance.ai, Bangalore, India <i>Industrial Product Design Intern</i> <ul style="list-style-type: none">Designed the form factor for Upliance.ai's first product, DelishUp, to embody the brand's identity while ensuring it met all functional requirements.Developed accessory mockups using 3D printing for consumer testing and refined designs based on data collection from user personas and feedback.Developed and maintained comprehensive Bill of Materials (BOM) for DelishUp, ensuring accuracy and completeness.	Feb 2021 - May 2021
Sand Bird, Chennai, India <i>Design Engineer Intern</i> <ul style="list-style-type: none">Led the design of the rear attachment, overseeing the process from concept generation through to the final design. Ensured the product met ergonomic and functional requirements tailored specifically for farmersConducted market research to identify challenges faced by farmers with tillers currently available in India, gaining valuable insights to inform product improvements.Packaged E-Powertrain components for the tiller, ensuring a layout that maintained the tiller's dynamic performance without compromise.	Aug 2020 - Feb 2021
MITWPU FSAE Team, Pune, India <i>Design Engineer (Vehicle Dynamics Team)</i> <ul style="list-style-type: none">Implemented sheet metal mild steel welded uprights and CNC-machined spindles, reducing manufacturing costs by 80% compared to the previous vehicle's wheel assembly, while maintaining the reliability of the wheel assembly subsystem.Managed systems integration for the entire vehicle, including 3D CAD modeling, prioritizing design goals, and ensuring adherence to engineering design principles throughout the design phase.Fabricated the space frame chassis for the 2018 vehicle using manufacturing processes such as welding, profiling, and laser cutting.	Aug 2017 - Aug 2020