Atish Waghwase

Tangible Interactions Designer

atishw
atish.w@iitb.ac.in
atishwaghwase@gmail.com

Portfolio

https://www.atishw.com

About

A maker with a healthy obsession for detail. I believe in design being a transdisciplinary practice, and **design for the physical as well as the virtual** to create new tangible experiences and interactive products.

- Earned the award 'Student of the Year 2018-19' at IIT Bombay

Experience

2021 · Futuring Design Pvt. Ltd. Design Intern

- Conducted detailed qualitative research of an ambiguous project topic - 'Role of high fidelity audio in the lives of common people' with 16 participants
- Conceptualised a possible direction for the project in the form of an modular audio device designed to tangibly encourage interaction with audio

2021 · IDC School of Design Product Designer

- Managed the design, quality control and the entire supply chain in a self-initiated project to launch a customizable IDC merchandise collection

2020 · Imaginarium India Project Apprentice

- Researched accessible methods of text input for touchscreen smartphones.
- Designed a tactile typing aid for visually impaired persons considering mass manufacturablity and scalablity

2018-2022 · IDC School of Design Student Representative

- Student representative of the B.Des batch of 2018, responsible for voicing student opinion and carrying out official work of a class of 30 students

Work

/singlehandedly

- Developed a novel text-input method along with 2 electronic prototypes
- User-tested prototypes on 10 users that eventually achieved an average speed of 70 characters per minute

Academic project under Prof. Jayesh Pillai

/navaazevsolutions

- Systemically analyzed the scenario of electric vehicle adoption in India
- Generated a market penetration strategy and a profitable business model of an EV charging service

Academic project under Prof. Ravi Pooviah

/guidinghand

- Developed a haptic spatial guidance system for the visually impaired
- Conducted research to test the capabilites of the human-computer system and gain design insights

Academic project under Prof. Anirudha Joshi

/polodailypack

- Engineered a candy dispenser to flaunt Polo Mints' brand identity
- Incorporated a compliant mechanism and optimised the design for mass manufacture

Academic project under Prof. Purba Joshi

Education

2022 - Present
IDC School of Design, Indian Institute of Technology Bombay
Masters in Design (Dual Degree)

2018 - 2022
IDC School of Design, Indian Institute of Technology Bombay
Bachelors in Design

2016 - 2018
S.B.E.S. College of Science, Aurangabad
Higher Secondary Education

2010 - 2016
Holy Cross English High School, Aurangabad
Secondary Education

Courses Completed With AA or AB Grade

- Interaction Design
- Design for Interactive Media
- Product Design - I
- Product Design - II
- Qualitative Design Research Methods
- Global Design Thoughts and Discourse
- Applied Ergonomics
- Applied Science for Designers
- Materials and Processes
- Design, Technology and Innovation
- Communication Theories, Visual Perception and Semiotics

Skills

Software
Adobe Suite, Figma, Miro, Keyshot, Fusion 360, Rhino, Blender

Hardware
Electromechanical-prototyping, 3D printing, Laser cutting, Modelling and quick prototyping using materials like paper, foam, wood, plastics, metal, etc. using workshop tools and tabletop supplies

Programming
Arduino, C++, Python, HTML, CSS, Javascript

Interests

Photography
- Specifically interested in Landscape and Astrophotography
- Work featured on National Geographic, New York Times and more

Hiking
- Done 'difficult' rated Himalayan treks upto 16,500ft.
- Constantly learning about mountaineering and studying Himalayan geography

Technology
- Keen follower of scientific and technological development with ample technical knowledge and a willingness to learn more