

PRATIK MODI
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EDUCATION

Massachusetts Institute of Technology Cambridge
School of Engineering & Sloan School of Management 2016-2018
M.S., Integrated Design and Management

Manipal University Manipal
Manipal Institute of Technology 2008-2012
Bachelor of Engineering (B.E.), Mechanical Engineering

STUDIO PRACTICE

urvar Mumbai
Art and technology oriented collective studio practice for the production of tools and approaches for 2023-
addressing complexity and complex problems.

jaadu ghar Mumbai
A collaborative studio and events space. 3D design, printing and fabrication services and training 2021-2023
for artists, architects and designers.

Art Practice New York
Art practice focused on exploring what it means to exercise humanity collectively in the face of 2018-2020
complex and systemic forces like the state, religion, capitalism, technology and society.

TEACHING AND ACADEMIA

NATIONAL INSTITUTE OF DESIGN Jorhat
Visiting Faculty 2023-
Systems Design for final year undergraduate students

OBEROI INTERNATIONAL SCHOOL Mumbai
Visiting Faculty 2023-
Design and technology for Grade 10 and Grade 12 IB students

SCHOOL OF ENVIRONMENT AND ARCHITECTURE Mumbai
Visiting Faculty 2022-
3D Digital Fabrication

ISDI PARSONS Mumbai
Visiting Faculty 2021-2022
Undergraduate and graduate courses in 3D design and fabrication, design for complexity,
design studies, research, design studio and liberal arts

MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge
Course Designer 2019-2020
Worked with Prof. Matthew Kressy on developing process-agnostic design and research organization tools to include as
part of the Integrated Design and Management program core curriculum.

Research Affiliate 2018-2019
Worked with Prof. Bish Sanyal in the Department of Urban Studies and Planning exploring the intersection of design and
planning theory as it relates to complex systems design.

Teaching Assistant 2016-2017
TA for Coastal Ecology for Engineers, part of the Sea Grant College Program at MIT and offered by the Mechanical
Engineering department. Designed lab exercises for this new course, helped with field visits and assisted students with
their research.

COLUMBIA UNIVERSITY SCHOOL OF PROFESSIONAL STUDIES New York
Lecturer 2019
Taught courses: Entrepreneurship and Innovation, and Intro to Programming

Adjunct Faculty positions offered but not completed due to the pandemic at Parsons School of Design, NY (MFA) and New York Institute of Technology (BS).

DESIGN AND CONSULTING

FASHION INSTITUTE OF TECHNOLOGY

New York
2019

Designer

Worked on developing smartphone-based design tools for weavers and technology for sustainable textile production in collaboration with the Textile/Surface Design department.

SELCO FOUNDATION

Bangalore
2017

Designer

Conducted research on the handloom industry and designed solar powered interventions that increase the skill and performance of the weaver while reducing the physical effort required to weave and are beneficial to the overall ecosystem. Projects included a force assist system for manual machines and a device to easily transfer designs onto fabric as it is woven.

AMAZON

Cambridge
2017

Researcher

Worked with the sustainability team at Amazon HQ to conduct research for and devise a sustainability strategy for the Amazon India marketplace. Presented to the Head of Worldwide Sustainability. Part of a student team from the MIT Sloan Sustainability Lab.

NIVU BIOGAS

Manipal
2012-2014

Founder

Research and implementation of food waste based biogas plants in schools, small institutions and households. Designed a new type of plant that can be fed once a week enabling waste distribution from existing channels creating a country wide energy generation solution.

NATIONAL ASSOCIATION FOR THE BLIND

Mumbai
2014-2016

Designer

Designed an open source modular platform which fits on the white cane, along with modules for wireless connectivity, orientation cues and obstacle detection. Also re-designed the white cane to be manufactured at a facility employing visually impaired machine operators.

ACCESS ASSET MANAGERS

Mumbai
2016

Technology Consultant

Consulted for a small and mid-cap focused private equity fund on technology and process adoption by portfolio companies, and evaluation of new investment opportunities specifically relating to industry and market evaluation.

WILDLIFE CONSERVATION

NEW SPECIES DISCOVERY

Manipal
2014-2016

Researcher

Discovered and described a new species of frog (*Microhyala laterite*) while surveying amphibians in and around Manipal. [Published](#) in PLOS One.

WILDLIFE CONSERVATION SOCIETY (INDIA)

Bangalore
2013

Researcher

Conducted a wildlife survey of agricultural landscapes in the Western Ghats in Karnataka to determine practices that adversely impact biodiversity and to make recommendations to minimize ecological impact of rubber, areca and coffee plantations.

AMUR FALCON CONSERVATION

Assam, Nagaland, Arunachal Pradesh
2013-2014

Researcher

Studied migration patterns, collected population and behavioral data, and interviewed tribal hunters.