

# NINAAD DESAI

*B.Sc. (Physics), M.Sc. (Physics), M.A. (Economics)*

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## EXPERIENCE

### **SMARTS CENTRE - Asian Institute of Technology, Thailand**

- Research Associate, *August 2024 to Present*  
Currently working on:
  1. Energy Demand in South and Southeast Asia (EDSSEA) project.
  2. Energy Demand Changes Induced by Technological and Social Innovations (EDITS-AIT) project.

### **GLOBAL CENTRE FOR ENVIRONMENT AND ENERGY - Ahmedabad University, Gujarat**

- *Research Team Member - Feasibility of Carbon Capture and Storage in Gujarat - Vibrant Gujarat Booklet (Government of Gujarat)*

*December 2023 - January 2024*

Financial Costs and Viability of Carbon Capture and Storage for the state of Gujarat.

- *Intern, June 2023 – August 2023*  
Working paper: Ninaad Desai and Minal Pathak, 2024, “*End of life Solar Panels: Assessment for Gujarat, India*”

### **PHYSICAL RESEARCH LABORATORY- Ahmedabad, Gujarat**

*Graduate Research Student, March 2020 – April 2021*

#### **POSTGRADUATE THESIS TITLE – “A study in Solar and Wind for the State of Gujarat”**

- In collaboration with Dr. R.D. Deshpande - Head of the Geosciences Department, PRL

### **CHAROTAR INSTITUTE OF SCIENCE AND TECHNOLOGY- Changa, Gujarat**

*Summer Research Student, April 2019 – July 2019*

- Theoretical work - Ionization and Chronology of Beta Mesons (Dr. Manan Shah)

### **ST. XAVIERS COLLEGE (AUTONOMOUS) – Ahmedabad, Gujarat**

*Undergraduate Research Student, June 2018 – August 2018*

- Frustrated Total Internal Reflection - Condensed Matter Laboratory (Dr. Tushar Pandya)

### **INSTITUTE OF PLASMA RESEARCH – Gandhinagar, Gujarat**

*Undergraduate Research Student, April 2017 - June 2018*

#### **UNDERGRADUATE THESIS TITLE – “A study in Plasma characteristics and Plasma – Ion propulsion”**

- In collaboration with Mr. K.K. Mohandas - Senior scientist, IPR

## EDUCATION

**GLOBAL MODULAR COURSE** - *Wharton School of Management and Ahmedabad University*  
*December 2023*

Visited prominent institutions of Social, Political and Industrial significance in and around Ahmedabad, Gujarat.

**AHMEDABAD UNIVERSITY – Ahmedabad, Gujarat**

*M.A. (Economics), May 2024*

Ongoing full time Master's degree - CGPA: 3.24/4 (Top of the batch)

**ST. XAVIER'S COLLEGE (AUTONOMOUS) – Ahmedabad, Gujarat**

*M.SC (Physics), April 2021*

First Class with Distinction - Final Year

**ST. XAVIER'S COLLEGE (AUTONOMOUS) – Ahmedabad, Gujarat**

*B.SC (Physics), April 2019*

First Class - Final Year

## TECHNICAL SKILLS

- Quantitative Analysis of Data
- Systematic Literature Review
- Programming Languages and Computational Tools  
Proficient: MS EXCEL, MS Office Suite  
Beginner/Intermediate: Wolfram Mathematica, Python, STATA, R, JAMOVI

## RESEARCH PUBLICATIONS AND WORKING PROJECTS

- Working Project: The 50+1 Rule in Bundesliga – A case study on the governance of the Bundesliga with Professor Kunal Mankodi.
- Feasibility of Carbon Capture and Storage in Gujarat - Vibrant Gujarat Booklet (2024), (Government of Gujarat)
- Working Paper: Ninaad Desai and Minal Pathak, "End of life Solar Panels: Assessment for Gujarat, India" (2024) - [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4693717](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4693717)
- A Study in Plasma Characteristics and Plasma-Ion Propulsion (Peer Reviewed)  
Student Journal of Physics (ISSN2319-3166)

## MAJOR CONFERENCES

- Attended: 4<sup>th</sup> and 5<sup>th</sup> Annual Economics Conference, Ahmedabad University.
- Presented: 6th IAPT National Student Symposium on Physics (NSSP-18) held at Punjab University, Chandigarh.

## REFERENCES

- Professor Joyashree Roy  
Distinguished Professor-AIT, Thailand  
Founder Director: South and South East Asia Multidisciplinary Applied Research Network on Transforming Societies of Global South (SMARTS)  
Email: [joyashree@ait.asia](mailto:joyashree@ait.asia)
- Professor Minal Pathak  
Associate Professor -Global Centre for Environment and Energy, Ahmedabad University, Ahmedabad  
Email: [minal.pathak@ahduni.edu.in](mailto:minal.pathak@ahduni.edu.in)
- Professor Supratim Dasgupta (Postgraduate Dissertation Advisor)  
Assistant Professor - Economics Department, Ahmedabad University, Ahmedabad  
Email: [supratim.dasgupta@ahduni.edu.in](mailto:supratim.dasgupta@ahduni.edu.in)

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