

NINAAD DESAI

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

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EXPERIENCE

SMARTS CENTER - Asian Institute of Technology, Thailand

- **Research Associate**, August 2024 to Present

GLOBAL CENTRE FOR ENVIRONMENT AND ENERGY - Ahmedabad University, Gujarat

- **Research Team Member**, December 2023 - January 2024
Feasibility of Carbon Capture and Storage in Gujarat, Vibrant Gujarat Booklet - Government of Gujarat
Assessed the 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

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, REPORTS AND WORKING PROJECTS

- Working Project: The 50+1 Rule in Bundesliga – A case study on the governance of the Bundesliga.
- 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
- A Study in Plasma Characteristics and Plasma-Ion Propulsion (Peer Reviewed)
Student Journal of Physics (ISSN2319-3166)

MAJOR CONFERENCES / MEETINGS ATTENDED

- Attended: EDITS 2024 Annual Meeting, IIASA, Laxenburg, Austria
- Attended: 4th and 5th 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 Southeast Asia Multidisciplinary Applied Research Network on Transforming Societies of Global South (SMARTS)
joyashree@ait.asia
- Professor Minal Pathak
Associate Professor - Global Centre for Environment and Energy, Ahmedabad University, Ahmedabad
minal.pathak@ahduni.edu.in
- Professor Supratim Dasgupta (Postgraduate Dissertation Advisor)
Assistant Professor - Economics Department, Ahmedabad University, Ahmedabad
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