Riti Bhandarkar

61 Broadway, 20th Floor, Suite 2010, New York, NY 10006
riti.bhandarkar@ethree.com

ENERGY AND ENVIRONMENTAL ECONOMICS, INC.   New York, NY
Associate

Ms. Bhandarkar supports E3's Integrated System Planning group. Prior to joining E3, Ms. Bhandarkar was a student researcher at the ZERO lab at Princeton University, where she modeled the emissions impact of electric vehicles. She also interned at the Environmental Defense Fund (EDF) as a Clean Energy Transition Analyst where she analyzed end-use cases for hydrogen. She holds a B.S.E. in Civil and Environmental Engineering from Princeton University.

ZERO LAB AT THE ANDLINGER CENTER FOR ENERGY AND THE ENVIRONMENT   Princeton, NJ
Student Researcher   June 2021 – June 2023

- o Researched the impact of electrification of transportation on power system planning and system emissions, advised by Dr. Jesse Jenkins
- o Developed code for decomposition of electricity load profiles using Python and R for the data processing tool PowerGenome
- o Modeled impact of EV adoption rates on 2030 CO_2 emissions under different policy, cost, and demand flexibility scenarios using electricity capacity expansion modeling tool GenX

ENVIRONMENTAL DEFENSE FUND   New York, NY
Clean Energy Transition Analyst   June 2022 – August 2022

- o Compiled projections of global hydrogen investment dollars and capacity
- o Analyzed clean hydrogen end-use case potential and risk for investors
- o Presented findings to EDF teams; helped develop sections of the EDF Hydrogen Report

ROWLAND INSTITUTE AT HARVARD UNIVERSITY   Cambridge, MA
Student Researcher   June 2020 – January 2021

- o Studied the development of a mechanistic ecosystem model to analyze the impact of climate-mitigation and clean energy technologies at Harvard University
- o Derived mathematical framework to describe biological responses to environmental change caused by mitigation and energy technologies
- o Wrote an extensive review of existing models and suggested a framework for improved trophic modeling, presented findings at the Project MEER:ReflEction symposium

Education

Princeton University   Princeton, NJ
B.S.E., Civil and Environmental Engineering   2023