



# Center for Atmospheric And Climate Sciences

Environmental Engineering Division  
Department of Civil Engineering, IIT Madras



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Ph.D. Scholar  
(HTRA)

**Advisor**

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## About Me

I am a Research Scholar at the Department of Civil Engineering, Center for Atmospheric & Climate Sciences, Indian Institute of Technology (IIT) Madras. My academic journey began with a B.Tech in Civil Engineering from NIT Surat. I am driven by a strong aspiration to develop innovative solutions for critical environmental challenges. Grounded in strong academics and research passion, I dedicate myself to advancing our understanding of meteorology and atmospheric processes through the application of numerical models, with the ultimate goal of enhancing our knowledge of Earth's climate.

## Research Interest

- Understanding complex atmospheric processes and their impact on climate.
- Utilizing advanced global and regional numerical models to simulate and study air pollution dynamics.
- Current research endeavors focus on understanding the fate and transport of atmospheric mercury over India, employing the 3D-GEOS-Chem model.

## Skills

- Numerical Modeling: WRF, AERMOD, HYSPLIT, STILT
- Data analytics (Satellite Data and CMIP models) and Machine Learning
- Programming Language: Python, MATLAB, CDO, NCL

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