

# Sustainability Lab

Machine learning and sensing technologies for climate, health, and energy research

IIT GANDHINAGAR

PhD Scholars

Postdocs

Research Associates

Interns

PUBLISHED AT

NeurIPS

AAAI

UbiComp

KDD

BuildSys

JCSS

## SIGEnergy Rising Star

Prof. Nipun Batra, 2025

## Test of Time Award

NILMTK, 2025

## Microsoft Research PhD

Zeel B Patel, 2024

## Fulbright Fellowship

Rishiraj Adhikary, 2022

## WHAT WE WORK ON

### Air Quality & Climate

Satellite CV for pollution monitoring, LLM-based policy support

NeurIPS, AAAI, JCSS

### Health Sensing

Thermal imaging, wearables, respiratory monitoring

UbiComp, ACM Health

### Energy Analytics

NILM, smart grid optimization, time-series forecasting

BuildSys, Test of Time

### Foundation Models

LLMs, VLMs, and multi-modal ML for sustainability

Emerging Area

4x NVIDIA A100 (80GB) • RTX A5000 • RTX A4000 • Dedicated compute for all lab members

## Join Our Research

High-impact research with strong career outcomes

### WHO SHOULD APPLY

- Interest in ML + real-world sustainability impact
- Background in ML, CV, time-series, or systems
- Motivation to publish at top venues

### WHERE ALUMNI GO

- Google DeepMind, Microsoft Research
- PhD at CMU, Caltech, ETH Zurich, UCSD
- Fulbright, PMRF, MSR PhD Award

Email Prof. Nipun Batra

Visit Website

**How to apply:** Send CV, transcript, and research interests. No deadline — we recruit year-round.