

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.