


RISHABH MONDAL

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Education

Ph.D in Computer Science and Engineering

Indian Institute of Technology, Gandhinagar

Advisor: [Prof. Nipun Batra](#)

Aug 2023 – Present

CGPA - 8.67/10

M.Tech in Information Technology

Indian Institute of Engineering Science and Technology, Shibpur

Advisor: [Prof. Prasun Ghosal](#)

Sept. 2021 – June 2023

CGPA - 8.43/10

B.Tech in Computer Science and Engineering


The Neotia University, Kolkata

Sept. 2017 – June 2021

CGPA - 8.17/10

Publication ([Google Scholar profile](#))

Conference

Aditi Agarwal, Suraj Jaiswal, **Rishabh Mondal**, Vannsh Jani, Zeel B Patel, Nipun Batra, Sarath Guttikunda
[Towards Scalable Identification of Brick Kilns from Satellite Imagery with Active Learning](#)
NeurIPS Workshop on Adaptive Experimental Design and Active Learning in the Real World 2023 (CORE A*)
GitHub 

Rishabh Mondal, Prasun Ghosal

[Recall-driven Precision Refinement: Unveiling Accurate Fall Detection using LSTM](#)

IFIP Advances in Information and Communication Technology, vol 684. Springer, Cham.

Journal

Zeel B Patel, **Rishabh Mondal**, Shataxi Dubey, Suraj Jaiswal, Nipun Batra

[Space to Policy: Scalable Brick Kiln Detection and Automatic Compliance Monitoring with Geospatial Data](#)

ACM Journal on Computing and Sustainable Societies

Poster


[Eye in the Sky: Detection and Compliance Monitoring of Brick Kilns using Satellite Imagery](#)

ACM COMPASS Posters 2024

Under Review

Rishabh Mondal, Zeel B Patel, Vannsh Jani, Nipun Batra

[Scalable Methods for Brick Kiln Detection and Compliance Monitoring from Satellite Imagery: A Deployment Case Study in India](#)

GitHub 

Doctoral Consortium

Scalable Methods for Air Pollution Source Detection and Compliance Monitoring Using Satellite Imagery

ACM Compass 2024

Academic Service

Reviewer

International Conference on Learning Representations (ICLR), 2025

Teaching Assistant

Probability, Statistics and Data Visualization, IIT Gn

M.Tech Thesis

Recall-driven Precision Refinement: Unveiling Accurate Fall Detection using LSTM.

Advisor: [Dr. Prasan Ghosal](#)

Exam and Achievements

GATE 2021: CS/IT

IBM ICE DAY Poster Competition in 2019: 1'st Position.

Relevant Coursework

- Computer Vision
- Probability
- Algorithms Analysis
- Machine Learning
- Deep Learning
- Probabilistic ML.

Technical Skills

OS: Linux

Languages: Python, C, C++

Developer Tools: VS Code, CUDA, Google Cloud Platform, Streamlit

Technologies/Frameworks: GitHub, PyTorch, TensorFlow

Open Source Libraries

[ASTRA](#) "AI for Sustainability" Toolkit for Research and Analysis.

Certifications

Deep Learning from GUVI Geek Network and IITM, 2021.

Six weeks of Summer Training on ML from IIT Kanpur,2019.

Online Python Training from IIT Kanpur,2019.

Workshop on Cloud Computing organized by IIT Kharagpur,2019.