

Anmol Soni

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🇮🇳 Indian

📅 31 May 1994

I'm a social data scientist with a deep fascination for the problems located at the intersection of technology, policy, and society. As a doctoral candidate at Maastricht University, I'm exploring how climate policies and public sentiment interact with the macroeconomic behaviour of industries.

Education

- TU Delft** **MSc. Engineering and Policy Analysis (Honours)**
Aug 20–Aug 22
- Specialised in **Modelling and Simulation** of complex adaptive systems.
 - Acquired key **Data science**, analytics, **policy analysis** and actor strategy skills.
 - Followed the Honours track with a focus on **strategic problem-solving**.
- WWF | NLU** **P.G. Diploma in Environmental Law and Policy**
Delhi, India
Sep 19–Sep 20
- Developed insights into the global environmental and sustainability policy discourse.
 - Learnt **legal and policy frameworks** for addressing cross-border environmental conflicts.
- R.T.M. Nagpur University** **Bachelor of Mechanical Engineering**
Jul 11–Jul 15
- Graduated with **First Division**.
 - Published a white paper on taking a **systems approach** to improve the efficiency of a flux production unit in Nagpur.

Work Experience

- Maastricht University** **Doctoral Candidate**
Feb 23– Present
- Exploring complex interplay between climate policies, public sentiment and macroeconomic behaviour of industries.
 - My research interests include climate policies, circular economy, social media/network analysis, data-driven policymaking, and agent-based modelling.
- Croonwolver&dros** **Energy Modeling Intern**
Feb 22–Aug 22
- Developed an **agent-based model** of two energy communities for performing virtual experimentation and supporting **decision-making under uncertainty**.
 - A two-step policy plan was formulated to reduce grid dependence through demand response and behind-the-meter storage in Dutch energy communities.
- TPM Resilience lab** **Research Assistant – Spatial (GIS) Analysis**
Apr 21–Feb 22
- Worked on the EU's HERoS project focused on improving **urban resilience** and **devising practical advice** to improve crisis governance during pandemics.
 - Curated location data and performed **spatial analysis** to create a simulation model of the Hague.
 - Presented key findings at the International Conference of Computational Social Science 2021.
- Bask Research Foundation** **Research Associate – Energy Policy**
Jun 18–Jul 20
- Implemented the **systems thinking** approach to increase consumer participation in the electricity tariff determination in Rajasthan, India.
 - Led multiple **research-driven** projects to improve **regulatory governance** in electricity distribution in coordination with local DSOs.
- Boond** **Design Engineer – Solar Microgrids**
Dec 16–Nov 17
- Electrified 300 households through solar microgrids in Uttar Pradesh and Rajasthan, India.

Skills

Python

programming language



Data Analysis & Visualisation

Pandas, Matplotlib, Plotly



System Dynamics

Vensim



Agent Based Modeling

Mesa, Netlogo



Version Control

Git & GitHub



Microsoft Office

Word, Excel, etc.



Interdisciplinary Projects

RIVM

Dec 21–Feb 22

QCONNECT: Adoption of circularity in the Dutch automotive industry

- Developed an agent-based model for evaluating and exploratory analysis of circular policies in the Dutch automotive sector.

Dentatus

Nov 20–Nov 21

Integration of geothermal energy in Waalhaven area of Rotterdam

- Led an interdisciplinary team of three students for creating a strategic roadmap for the integration of geothermal energy in Waalhaven, Rotterdam.
- Performed multi-criteria decision-making and conducted risk & uncertainty analysis for maximising the co-benefits.
- Demonstrated effective leadership and communication skills rooted in appreciation and respect in a diverse multi-cultural team.

Co-curricular Courses

March 2022

Intangible Matter of Spaces

Alta Scuola Politecnica

- Gained insights into impact investing, co-creation and value generation through commons.
- Hands-on experience in investment pitches, stakeholder engagement and negotiations.

November 2019

Energy Economics and Policy

Indian Institute of Technology

- Learned macro economics principles governing demand management and policy regime in the electricity sector.

November 2019

Python for Data Science

Indian Institute of Technology

- Learned basics of python programming for data analysis and visualisation.

December 2018

Energy Efficiency in Emerging Economies

International Energy Agency

- Gained international insights into planning and implementing energy efficiency policies in emerging economies.

Extracurricular | Volunteering

Feb 22–Aug 22

TPM Faculty Ambassador

Delft Global Student Club

- Enhanced communication skills by promoting research opportunities in the global south across the TPM Faculty.
- Held an editorial position for publishing the quarterly magazine of the student club.

Nov 20–Nov 21

Treasurer | Convenor Events Committee

Dentatus

- Worked with a team of motivated students and managed the account of the study association.
- Organised social events for rebuilding the community feeling in cohort amidst the COVID lockdown.