Anmol Soni

📍 Lutherse Burgwal 18L,
2512CB, The Hague, NL

✉ anmol_soni@outlook.com

📞 +31-623562077

in a-soni

🏳 Indian

📅 31 May 1994

👤 PROFILE

With a background in sustainable energy and policy advocacy, I am looking forward to working in the field of sustainability and tackling complex 'wicked' problems through data-driven decision-making.

🧠 SKILLS

Python
Programming Language
● ● ● ● ○

Data Analysis & Visualisation
Pandas, Matplot.lib, Plotly
● ● ● ● ○

System Dynamics
Vensim
● ● ● ○ ○

Agent-Based Modelling
Mesa, Netlogo
● ● ● ● ○

Version Control
Git & GitHub
● ● ● ● ○

Web Scraping
BeautifulSoup & Selenium
● ● ● ○ ○

Microsoft Office
Word, Excel, etc.
● ● ● ● ○

🎓 EDUCATION

MSc. Engineering and Policy Analysis (Honours),
TU Delft (Technische Universiteit Delft)

Aug 2020 – Aug 2022 | Delft, The Netherlands

- Specialised in **Data Science, Modelling and Simulation** of complex energy systems.
- Followed the **Honours** program track (HPM) designed for exceptional students with a focus on strategic interdisciplinary problem-solving.

P.G. Diploma in Environmental Law and Policy,
WWF | National Law University

Sep 2019 – Sep 2020 | New Delhi, India

- Developed insights into the global environmental discourse and **stakeholder analysis.**
- Learnt **legal and policy framework** for addressing cross-border environmental conflicts.

Bachelor of Mechanical Engineering,
R.T.M. Nagpur University

Jul 2011 – 2015 | Nagpur, India

- Academic: Graduated with **First Division**.
- Published a white paper on using **system dynamics** for improving the process efficiency of a flux production unit in Nagpur, India.

💼 PROFESSIONAL EXPERIENCE

Croonwolter&dros, *Energy Modeling Intern*

Feb 2022 – Aug 2022 | Rotterdam, The Netherlands

- Developed an **agent-based model** of the energy community for evaluating the impact of demand response on self-sufficiency and energy expenditure of the community.
- Formulated a two-step policy plan for reducing grid dependence through demand response and behind-the-meter storage in Dutch Energy Communities.

TPM Resilience lab,
Research Assistant - Spatial (GIS) Analysis

Apr 2021 – Feb 2022 | Delft, The Netherlands

- Worked on the EU's HERoS ↗ project focused on improving **urban resilience** and **devising practical advice to improve crisis governance** during pandemics.
- Presented key findings at the International Conference of Computational Social Science 2021.
- Curated location data and did **spatial analysis** for creating an **Agent-based model** of the Hague.

Bask Research Foundation,
*Research Associate - Energy Policy*

Jun 2018 – Jul 2020 | Jaipur, India

- Implemented **systems thinking** approach for capacity building of local electricity consumers in western Rajasthan, India.
- Initiated and led multiple projects related to energy policy and **regulatory governance** in electricity distribution.
- Coordination with local DSOs for digitalisation and demand management.

INTERDISCIPLINARY PROJECTS

QCONNECT: Adoption of circularity in the Dutch automotive industry, *RIVM (National Institute for Public Health and the Environment)*

Dec 2021 – Feb 2022

- Developed an **agent-based model** for facilitating virtual experimentation and **exploratory analysis** for **circular policies** in the Dutch automotive sector.
- This model was successfully implemented and is available on the GitHub ⧉ repository.

Integration of geothermal energy in Waalhaven area of Rotterdam, *Gemeente Rotterdam*

Sep 2021 – Nov 2021

- 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**.

LANGUAGES

English
(Proficient)
● ● ● ● ●

Hindi
(Native Speaker)
● ● ● ● ●

Dutch
(Learning)
● ○ ○ ○ ○

INTERESTS

Reading *(Genre fluid),*
Guitar *(indie-pop, country rock),*
Cooking

Boond Engineering and Development,
Design Engineer - Solar Microgrids

Dec 2016 – Nov 2017 | New Delhi, India

- Engineered and realised **solar microgrid** projects for **rural electrification** of 300 households in Uttar Pradesh and Rajasthan, India.
- Facilitated **grid integration** of decentralised Hybrid micro-grids.

EXTRACURRICULAR

Delft Global Student Club, *TPM Faculty Ambassador*

Feb 2022 – present | Delft, The Netherlands

- Promoting research and internship opportunities in the global south across the TPM Faculty.
- Editing and publishing the quarterly magazine of the student club.
- Enhanced my communication and interpersonal skills.

Dentatus, *Treasurer | Convenor Events Committee*

Nov 2020 – Nov 2021 | The Hague, The Netherlands

- Audited and managed the accounts of Dentatus, the study association of MSc. Engineering and Policy Analysis.
- Organised social events for rebuilding the community feeling in cohort amidst lockdown and online education.

CO-CURRICULAR

Intangible Matter of Spaces,
Alta Scuola Politecnica (Honours Winter School)

Mar 2022 | Loano, Italy

- Attended winter school focused on creating social, economic, and cultural value at the Milano Innovation District.
- Gained insights into **impact investing**, co-creation and value generation through commons.
- Hands-on experience in investment pitches, **stakeholder engagement** and negotiations.

Energy Economics and Policy,
Indian Institute of Technology

Nov 2019 | Chennai, India

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

Python for Data Science, *Indian Institute of Technology*

Nov 2019 | Chennai, India

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

Energy Efficiency in Emerging Economies,
International Energy Agency

Dec 2018 | New Delhi, India

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