

Anmol Soni



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🖱 <https://sonianmol.com/about/>

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🐙 SoniAnmol

With a background in renewable energy and policy advocacy, I am passionate about tackling complex societal (wicked) problems. Equipped with strategic tools and grassroots experience, I aspire to work towards a sustainable and equitable future through data-driven decision-making.

Keywords: Complex Problems, System Dynamics, Agent-Based Modelling, Simulation, Data Analysis, and Visualization.

📁 PROFESSIONAL EXPERIENCE

Graduate Intern, Croonwolter&dros ☑

02/2022 – present | Rotterdam, The Netherlands
Currently, I am working on my graduation project ☑ focused on evaluating the socio-technical impact of demand response in community energy projects in the Netherlands using agent-based modelling.

Research Assistant, TU Delft TPM Resilience lab ☑

04/2021 – 02/2022 | Delft, The Netherlands
Worked on the HERoS-EU ☑ project for improving crisis governance under pandemics. Contributed to data preparation and spatial analysis for creating an Agent-based model of the Hague.
Presented key findings at the International Conference of Computational Social Science 2021 ☑

Research Associate, Bask Research Foundation ☑

06/2018 – 07/2020 | Jaipur, India
Initiated multiple projects related to energy policy and regulatory governance in electricity distribution. Worked towards the capacity building of local electricity consumers in western Rajasthan, India.

🎓 EDUCATION

Msc. Engineering and Policy Analysis (Honours),

TU Delft (Technische Universiteit Delft) ☑

08/2020 – 2022 | Delft, The Netherlands

- Specialisation
 - Modelling and Simulation
- Academic
 - Pursuing honours program (HPM) ☑ with a focus on tackling complex problems.
 - Attended Alta-Scuola-Politecnica ☑ winter school-22 addressing the intangible matter of places ☑.
- Extracurricular
 - Served as the board member of the study association Dentatus ☑ of the master's program.
 - Currently working as the TPM faculty ☑ ambassador of Delft Global Student Club ☑.

P.G. Diploma in Environmental Law and Policy,

WWF | National Law University ☑

09/2019 – 09/2020 | New Delhi, India

- Gained insights into the global environmental discourse.
- Strategies for addressing environmental conflicts at legal and policy fronts.

P.G. Diploma Thermal Power Plant Engineering,

National Power Training Institute ☑

09/2015 – 09/2016 | Neyveli, India

Learned about the electricity production value chain and specifics regarding operation and maintenance of a solar, wind and thermal power plant.

- Academic: Graduated with a distinction
- Co-curricular: Organised student visits to the local thermal power station

Bachelor of Mechanical Engineering,

R.T.M. Nagpur University ☑

07/2011 – 2015 | Nagpur, India

Academic: Graduated with First Division.

- Co-curricular: Vocational training at National Thermal Power Corporation ☑, India.
- Extracurricular: Held position of Cultural Secretary in the study association.

📖 COURSES

Intangible Matter of Spaces,

Alta Scuola Politecnica (Winter School) ☑

03/2022 | Loano, Italy

This winter school was focused on creating social, economic, and cultural value at the Milano Innovation District (MIND) ☑ by facilitating collaboration amongst stakeholders.


Design Engineer, Vibgyour Energy

12/2017 – 05/2018 | New Delhi, India

Managed grid-scale solar park projects while leading a team of two draftsmen and three survey engineers.

Designed over 3MW solar PV plants and managed the commissioning of the projects.

Design Engineer,

Boond Engineering and Development 

12/2016 – 11/2017 | New Delhi, India

Designed and implemented solar microgrid projects for rural electrification of 300 households in Uttar Pradesh and Rajasthan, India.

SKILLS

Python

Programming Language



Data Analysis & Visualisation

Pandas, Matplotlib, Plotly



System Dynamics

Vensim



Agent-Based Modelling

Mesa, Netlogo



Version Control

Git & GitHub



Web Scraping



BeautifulSoup & Selenium



PROJECTS



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

12/2021 – 02/2022


This project was organised as part of the specialisation course Advanced Agent-Based Modelling . Agent-based modelling was used for facilitating virtual experiments for evaluating the impact of proposed interventions on the circularity of 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

09/2021 – 11/2021

This project was carried out as a part of the Joint Interdisciplinary Program . Led a team of three students from different disciplines for creating a strategic roadmap for the integration of geothermal energy in the Waalhaven region of Rotterdam. 


Energy Economics and Policy,

Indian Institute of Technology 

11/2019 | Chennai, India

Learned economic principles governing generators, demand management, and policy regime in the electricity sector.

Python for Data Science,

Indian Institute of Technology 

11/2019 | Chennai, India

Learned basics of python programming for data analysis and visualisation.


i-Policy for Young Leaders,

Centre for Civil Society 

09/2018 | New Delhi, India

Learned with fundamental concepts of policymaking in education, poverty, law, and politics.

Energy Efficiency in Emerging Economies,

International Energy Agency 

12/2018 | New Delhi, India

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

Grid Connected Solar Design for Engineers,

National Institute of Solar Energy

02/2018 | Gurugram, India


Learned basic concepts of design and installation of grid-connected rooftop solar power plants.

ORGANISATIONS

Delft Global Student Club,

TPM Faculty Ambassador 

02/2022 – present | Delft, The Netherlands

Responsible for promoting research and internship opportunities across the global south in the TPM Faculty . Involved in the publication and editorial of the quarterly student club magazine.

Dentatus,

Treasurer | Convenor Events Committee 

11/2020 – 11/2021 | The Hague, The Netherlands

Served as the Treasurer of the study association of MSc. Engineering and Policy Analysis. Our board was dedicated to rebuilding the community feeling in the cohort amidst lockdown and online education.