Anmol Soni

(Social) Data Scientist

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🏳 Indian   📅 31 May 1994

About Me

Social data scientist with international experience in sustainable energy and policy advocacy. Core strengths include excellent engineering knowledge complemented with an understanding of socio-technical systems and communication skills. I am looking forward to tackling complex 'wicked' problems through data-driven decision-making.

Skills

Python
programming language
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Data Analysis & Visualisation
Pandas, Matplot.lib, Plotly
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System Dynamics
Vensim
●●●○○

Agent Based Modeling
Mesa, Netlogo
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Version Control
Git & GitHub
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Microsoft Office
Word, Excel, etc.
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Web Scraping
BeautifulSoup & Selenium
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Language

English
Proficient
●●●●●

Hindi
Native speaker
●●●●●

Dutch
Learning
●○○○○

Education

TU Delft
Aug 20-Aug 22

MSc. Engineering and Policy Analysis (Honours)
- 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
Delhi, India
Sep 19-Sep 20

P.G. Diploma in Environmental Law and Policy
- 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
Jul 11-Jul 15

Bachelor of Mechanical Engineering
- 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

Croonwolter &dros
Feb 22-Aug 22

Energy Modeling Intern
- 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
Apr 21-Feb 22

Research Assistant - Spatial (GIS) Analysis
- 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
Jun 18-Jul 20

Research Associate - Energy Policy
- 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
Dec 16-Nov 17

Design Engineer - Solar Microgrids
- Electrified 300 households through solar microgrids in Uttar Pradesh and Rajasthan, India.

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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 d**ata 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.