

Nikhil Reddy Kunatiⁱⁿ



📍 Delft, Netherlands

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Highly passionate about addressing climate change through CO₂ capture and utilisation. Demonstrate aptitude for research, team-work and critical thinking. Always curious to explore impactful areas of work, both in and out of my comfort zone. Aspire to develop and support solutions that help minimize ecological and carbon footprint. On the personal front, I enjoy outdoor activities and meeting people from different cultures.

Education

MSc Industrial Ecology

📅 7.9/10 GPA 📅 Sep 2021 – Sep 2023 📍 Delft & Leiden, Netherlands



Thesis Publication –

- [Ex-ante techno-economic and environmental assessment of CO₂ based carbon nanomaterial production and comparison with status quo](#)

Relevant Courses and Associated Projects –

- Life Cycle Analysis and Practical Reporting: Comparative lifecycle assessment of graphene reinforced concrete and traditional concrete
- Circular Economy: Circular economy potential in building and construction sectors
- Material Flow Analysis: Cobalt flow in European Union
- Industrial Symbiosis Project: Improving energy, water, and material nexus of Botlek Industrial Cluster, Rotterdam
- Capita Selecta Research Project: Review on CO₂ conversion to carbon nanomaterials and its applications (currently working towards its publication)

BSc Civil Engineering

📅 8.7/10 GPA 📅 Aug 2015 – May 2019 📍 Hyderabad, India



Thesis Publication –

- [Sustainability Ranking of Solar Power Projects using Multi Criteria Decision Methods](#)

Relevant Experience

Student Consultant

📅 Sep 2022 – Jan 2023 📍 Utrecht, Netherlands



- Chaired a 5-student consultant group for exploring opportunities in industrial decarbonization consulting in NL
- Conducted research on carbon capture, utilization and storage (CCUS) technologies for hard to decarbonize industries in Netherlands
- Performed a python-based data analysis to calculate abatement potential of various industry sectors

Founder

📅 Feb 2022 – Jul 2023 📍 Delft, Netherlands



- Formed and lead a team of chemical engineers and industrial ecologists to develop a waste CO₂ to carbon nanomaterial conversion technology
- Developed potential business models in consultation with industry experts and pitched in several startup contests to win several awards
- Conducted intensive technological and market research for the startup

Strategic Planning Group Associate

📅 July 2019 – December 2020 📍 Hyderabad, India



- Conducted in-depth market research on electric and hydrogen fuel cell vehicles
- Devised supply chain strategies and identified consortia partners for manufacturing electric and hydrogen fuel cell vehicles

Freelance Researcher

📅 Jan 2022 📍 Amsterdam, Netherlands

- Conducted market analysis on green hydrogen production technologies and providers

Skills

Professional

Financial Modelling	●●○○
MS Word	●●●●
MS Power Point	●●●●
MS Excel	●●●●

Technical

Life Cycle Analysis	●●●●
Material Flow Analysis	●●●●
Chemical Process –	●●○○
Design and Engineering	

Programming

MATLAB	●●●○
Python	●●●○

Interpersonal

Networking	●●●○
Team-Building	●●●○
Public speaking	●●●○

Languages

English	– Proficient
Dutch	– A1 certified
French	– A1 certified

Note: Click on my name (highlighted in blue) for my LinkedIn profile and on on my thesis files for my publications

Additional Experience

Sustainability Analyst

 Jan 2022 – Mar 2022  Amsterdam, Netherlands



- Analysed sustainability performance of a leading creative agency based on science-based targets
- Developed strategies and measures to increase their sustainability performance
- Facilitated B Corp Certification for the company and satisfying its various requirements



Operations Manager

 Feb 2021 – July 2021  Visakhapatnam, India



- Managed inventory flows for the company's active pharmaceutical ingredient production
- Accelerated company recruitment by organizing recruitment drives and registering on online job portals to increase company's reach
- Reduced the attrition rate through effective policies and workshops

Business Development & Strategy Lead

 December 2020 – Feb 2021  Hyderabad, India



- Identified and developed new business leads for company's filters and filtration systems with potential revenue >INR 4,00,00,000 (EUR 440K)
- Enhanced company branding and marketing to increase its visibility and reach and initiated registration with Bureau of Indian Standards

Volunteering

Chair of Career Committee

 Oct 2021 – June 2022  Delft, Netherlands



- Arranged lunch lectures involving reputed sustainability professionals to educate students on interesting market developments
- Organized a career fair to help students realize possible sustainability career pathways
- Chaired meetings with other members of the committee and helped realize career related goals of the Green TU board

Academic Support Volunteer

 June 2018 – April 2019  Hyderabad, India



- Mentored and tutored under-privileged children
- Raised funds for supporting shelter homes in Hyderabad

Organizer

 April 2019  Mahindra École Centrale, Hyderabad, India



- Handled logistics, promotions and invitations for our institute's annual conclave focused on connecting industry and academia

Startup Awards

[Falling Walls Lab Delft Winner 2022](#)

Won the Delft chapter of a global pitching competition, further leading me to attend and pitch RevClima at the Falling Walls Science Summit 2022 in Germany

[Shell Energy Transition Award 2022](#)

Received this award for pitching RevClima at the TU Delft Impact Contest which is an entrepreneurial and innovation competition for students of TU Delft


[Philips Innovation Award 2023](#)


Received the second prize for RevClima's one-pager business model competition of the Philips Innovation Award for startups


[Finalist at Climate Launchpad 2022](#)


Was one of the top five teams in the Netherlands chapter of Climate Launchpad, the world's largest green business idea competition for cleantech startups addressing climate change

Hobbies

 Reading Indian Mythology, Thrillers and Non-fiction

 Yoga, Strength training, Running and Cycling

 Sports: Tennis and Basketball

 Visiting Museums

 Borrelen with friends