Nikhil Reddy Kunat

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

Q Delft & Leiden, Netherlands 7.9/10 GPA 🛗 Sep 2021 – Sep 2023 Thesis Publication –

Ex-ante techno-economic and environmental assessment of CO₂ based carbon nanomaterial production and ٠ 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)

Witteveen

RevClime

areenk

BSc Civil Engineering

🛗 Aug 2015 – May 2019 🛛 🕈 Hyderabad, India 🗐 8.7/10 GPA

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

Ⅲ 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

Q*Amsterdam, Netherlands* 🛱 Jan 2022

Conducted market analysis on green hydrogen production technologies and providers

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



Professional **Financial Modelling** $\mathbf{0}$ MS Word **MS Power Point** MS Excel



	Programming	
MATLAB		$\bullet \bullet \bullet \circ$
Python		$\bullet \bullet \bullet \circ$

Interpersonal			
Networking	$\bullet \bullet \bullet \circ$		
Team-Building	$\bullet \bullet \bullet \circ$		
Public speaking	$\bullet \bullet \bullet \circ$		

Languages

English	 Proficient
Dutch	 A1 certified
French	 A1 certified







Leiden

Mahindra

Additional Experience

Sustainability Analyst

 \blacksquare Jan 2022 – Mar 2022 \heartsuit 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



- ♥ Visakhapatnam, India 🛅 Feb 2021 – July 2021
- 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 ito 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
- ٠ 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 pitching competition, global further leading me to attend and pitch RevClime at the Falling Walls Science Summit 2022 in Germany

Shell Energy Transition Award 2022

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

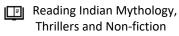
Philips Innovation Award 2023

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

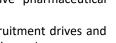
Finalist at Climate Launchpad 2022

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



- Yoga, Strength training, Running and Cycling
- Sports: Tennis and Basketball
- Visiting Museums
- Borrelen with friends



Green

Insights

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