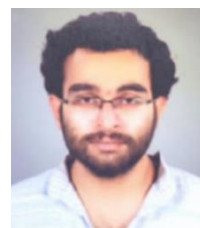


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Curriculum Vitae

Examination	Marks	School/College/Board/University
National Eligibility Test (<i>NET</i>) for Lectureship in Environmental Science	<i>Qualified</i>	University Grants Commission (July 2018) and National Testing Agency (December 2018)
M.Sc. Climate Science and Policy	8.78 CGPA (Gold Medallist)	<i>The Energy and Resources Institute</i> (TERI) School of Advanced Studies (SAS), New Delhi (2016-18)
B.Sc. (Honors) Physics	73.4 % (First Division)	Sri Venkateswara College, University of Delhi (2012-15)
Class XII (All India Senior School Certificate)	82.8 %	Delhi Public School, Central Board of Secondary Education (CBSE), New Delhi (2012)
Class X (All India Secondary School)	9.8 CGPA	Amity International School, CBSE, Gurgaon Sector-46, Haryana (2010)

Programs known: C++, R, LEAP, CCalc, QGIS, ERDAS-Imagine, GRADs, SBDART, CropWat, Vensim

- Publications:**
- (a) Article titled *Curiouser and Curiouser* in ‘Quintessence’—the Annual Magazine of the Physics Association of Sri Venkateswara College (2013)
 - (b) Paper titled *The Scientist* presented at Delhi University Conference on ‘**Relevance of Ancient Indian Wisdom in Modern Society**’ (2013)
 - (c) *Water, Sanitation and Hygiene (WASH) in Higher Education: A Strategy Paper* as member of the Editorial Board (www.terisas.ac.in/wash/pdf/StrategyPaperBookFinal.pdf) (2017)

Master’s Thesis: Vulnerability Assessment (titled ‘Intrinsic Vulnerability Redefined’) of Auto-Rickshaw Drivers undertaken at the Department of Energy and Environment, TERI SAS, by the design of indicators and calculation of vulnerability indices at the global resolution (sustainability dashboard), national level (food, water, and energy nexus), district level (education and telecommunication), along with household (dependency ratio) and individual levels (psychological vulnerability, life satisfaction) using the *OECD Handbook on Constructing Composite Indicators*, the *SAGE Handbook of Social Research Methods*, and the technical notes from the *Human Development Reports of the UNDP*. **The project explored ‘religiousness’ as an indicator of adaptive capacity and discovered it to be the most important aspect**

in the objective determination of an individual's resilience to environmental stressors. (Paper pending submission.)

Field initiatives:	Primary data-acquisition through multiple field surveys in Delhi for assessing the vulnerability of (i) Auto Rickshaw Drivers using the <i>IPCC (Inter-governmental Panel on Climate Change) Livelihood Vulnerability Index (LVI)</i> and fuzzy-cognitive mapping (FCM); (ii) Outdoor Workers (auto-rickshaw drivers, street sweepers, street vendors as case, taxi drivers, security guards, and shop-keepers as case and control populations respectively) to urban climate extremes and air pollution using the IPCC-LVI and spirometry; (iii) Livelihood and Food Security of Agrarian Households on the flood-plains of the Yamuna by using the IPCC-LVI and the FAO (Food and Agricultural Organization of the United Nations)/FANTA-Dietary Diversity Index. (Papers pending submission.)
Modelling:	<i>LEAP</i> (Long-range Energy Alternatives Planning System) (https://www.energycommunity.org/) for the transportation sector of India to project future energy demand and emissions on the basis of scenarios created from policy-reviews.
Term papers:	Independent term papers submitted with the following titles: 'Adapting to a vulnerable atmosphere,' 'Emerging Geo-political Threats in the Pursuit of Global Water Security: Socio-Economic and Environmental Liabilities of North-Eastern India,' ' Symbolism or Reality: Understanding the Politics of Religion ,' 'The Potential of the Population,' 'Food Insecurity in the Central Indian Tribal Belt,' and 'Drought-monitoring over Central India using Remote-sensing.'
	<i>Co-authored term papers:</i> 'Impact of Climate Change on River Systems in India,' 'Renewable Energy Policies in the state of Tamil Nadu,' 'Difference in the Impacts of Climate Change between Developed and Developing Countries,' 'Impacts of Climate Change on Marine Ecosystems'.
Short lectures:	On the Economic Valuation of Forest Resources, on Cyclogenesis, on Thermal wind and Jet streams, on Ecological Jurisprudence, on the Dimensions of Global Change, and on Evolutionary Psychology .
Work experience:	Trainee Mentor (2 months) under the direct supervision of Padma Vibhushan, Nobel Laureate, and ex-Chairperson of the IPCC—Professor (Dr.) R.K. Pachauri at the <i>Protect Our Planet</i> (POP) Movement, New Delhi (2019).

Co-Curricular Vitality

During post-graduation:	Member of the Placement Cell, the Music Society, the Drama Society, and winner of Gold Medal(s) in TERI SAS intra-university Chess Tournaments (2017 and 2018).
During graduation:	<ul style="list-style-type: none"> • First prize in inter-college English Debate, Deshbandhu College (2014) • Member of the college Chess Team (Third Prize in inter-college tournament, 2013) • Member of <i>Anubhuti</i>— the Hindi Dramatics Society of Sri Venkateswara College (2012-2013) • Member of the Editorial Board of 'Quintessence'— the annual magazine of the Physics Association (2013)
During school:	Many, many certificates and prizes received in various co/extra-curricular competitions at intra-school and inter-school levels.
Lifetime hobbies:	<i>Reading, Writing, Chess, Tablā, Theatre, Tablet-Tennis</i>
