

Priyanka Shrestha

Email: prshrestha@clarku.edu | LinkedIn: [Priyanka Shrestha](#) | Phone: +1 (469)679-2975

SUMMARY

Experience and skills in environmental and climate research and analysis, advocacy, international development, and policy analysis in non-profit sector.

EDUCATION

Master of Science in Environmental Science and Policy Clark University, Worcester, MA GPA 3.85 June 2021

Academic Projects:

- Master's paper entitled "Urban permaculture for climate-resilient farming in Worcester, Massachusetts": Conducted thorough research and analysis, developed strategic recommendations assessing the future climate scenario.
- Analyzed US Army Corps of Engineers project on coastal flooding, Florida: **EIA, stakeholder assessment and political situation.**
- Gender distribution in universities: **Collected and visualized large datasets** in Excel; conducted hypothesis tests, regression, and classification algorithms
- Research project on **renewable energy** in China: Conducted political and socio-economic assessment.

Leadership: Graduate Student Rep for Board of Trustees and Communications Officer for Graduate Student Council

Bachelor of Science in Environmental Science University of Northampton, UK GPA 3.50 May 2018

Academic Projects: Dissertation entitled "Estimation of carbon emission from tourism-based hotels in Nepal" – Conducted analysis, set target, created **GHG inventories**, and calculated the total carbon emission.

Leadership: Top 5 student representative at Mishima, Japan; Class Representative and President of Zonta Club

EXPERIENCE

Massachusetts Service Alliance (MSA), Boston, Massachusetts

Aug '20 – June 2021

Volunteer Engagement Specialist

- Recruited, **engaged**, trained, and supervised **over 60 local garden coordinators** and organisations
- Designed, developed, and drafted scientific report on **climate change impacts** on urban agriculture
- Initiated and developed strategies to communicate Urban Agriculture Ordinance- policy goals to the locals
- Strengthened transparency, **communication and resolved relationships** between organization and farmers/gardeners that improved engagement and **diversity representation**

Red Circle Creative Solutions, Kathmandu, Nepal

April '19 – June 2019

Project Coordinator

- Conducted **market analysis, strategic ideas, project scoping, budget, and resource allocation** of a project on environmental issues
- Identified, developed, and evaluated strategies to **maintain healthy client-company relationships**
- Recruited, **engaged**, trained, and supervised **over 15 interns**

Climate Alliances for Himalayan Communities (CAHC), Kathmandu, Nepal

Feb - April '17

Communications/ Engagement Intern

- Led, planned, and executed **HOPE 2017**, a campaign aimed at climate resiliency in the Himalayas, that successfully collected nearly **100K petitions** and pressurized Nepal government to pass a bill on the environmental regulations in the mountains
- Demonstrated the ability to research, analyze and strategically monitor environmental policies
- Developed a strategic campaign plan including fundraising goals, budgets, vendors, and timelines
- Initiated a digital campaign, wrote press that resulted in **50% more public engagement**
- Oversaw administrative functions such as: schedule management and protocols for orientation, registration, and related activities

SKILLS

- Computer: Google package: Word, **Excel**, PPT; Mapping: ArcMap, **ArcGIS**, QGIS, Programming: R; Project Management Tool: Trello, OneNote, and Asana; Graphic designing: Canva, Mailchimp, and ESRI Story
- Language: English, Nepali, Hindi (Trilingual)

- Specialties: Technical research and writing, Campaign management, Climate change and policy, Environmental Impact Assessment (EIA), Community Outreach, Multistakeholder engagement, Multicriteria Assessment to Environmental Issues, Project Management, International and Global Environmental Policy and Sustainability

RESEARCH PROJECTS

Shrestha, P. (2021). Urban Permaculture for climate-resilient farming in Worcester, MA. [Master's paper, Clark University]

- Thoroughly researched and reviewed several US climate policies and actions under the government of Massachusetts
- Collected, analyzed and tracked major climate change events and projected potential future political scenario

Intergovernmental Panel on Climate Change (IPCC) Assessment, Clark University

Feb 2020

- Analyzed **30+ scientific and grey literature** on global climate change adaption practices in human systems, for IPCC Assessment Report.
- **Collected, quantified, and synthesized data** into **specific targeted climate change practices** creating effective communication and deliverables in Excel

UNFCCC Conference of Parties (COP 25), Spain, Madrid

Aug – Dec 2020

- **Interpreted and analyzed research data** to draw conclusions on impacts of climate change in higher elevations
- Reviewed **50+ scientific literature** and extracted key findings on impacts of glacier recession, hydrological cycle, and **policy frameworks** in mountain communities
- **Collaborated with 30+ students** from multiple universities across the US to integrate solutions
- Prepared **fact sheets, tables, and graphs** to summaries research results.
- **Visualized and presented facts** on impacts of climate change and extreme events on mountains using **GIS**.
- Developed knowledge on global climate policies and negotiations