Akriti Yadav

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PERSONAL INFORMATION

Date of Birth: 12th July, 1997
Citizenship: Indian
Gender: Female
Address: QTR NO: 120-G, Sector-IV, Pushp Vihar, New Delhi-110017

QUALIFICATION

Discipline	Year	College/School	University/ Board	Percentage/ CGPA
M.Sc. Geoinformatics	2018 - 2020	TERI School of Advanced Studies	TERI SAS	8.72
Bachelor of Arts Geography Hons.	2015 to 2018	Kamala Nehru College	CBCS Delhi University	7.5
12th Standard (Humanities)	2015	Vivekananda Kendra Vidyalaya, Itanagar, Arunachal Pradesh	C. B. S. E. Board	87.4%
10th Standard	2013	Vivekananda Kendra Vidyalaya, Itanagar, Arunachal Pradesh	C. B. S. E. Board	8.8

ACADEMIC PROJECTS & INTERNSHIPS

MAJOR PROJECTS

❖ **Project Title: Evaluating the impact of Land use Land cover on Rainfall forecast over the North-Eastern Region of India using WRF Model.**

- Duration: Five months
- Organization: North Eastern Space Application Centre, DOS, Meghalaya
- Worked with Weather Research & Forecasting Model
- Simulated monsoon rainfall over north-eastern region of India using WRF model for 3 different land use land cover (LULC) categories.
- Studied the impact of land use land cover changes on WRF rainfall forecast
- Scripting language: Basic NCL

ACADEMIC PROJECTS (Post-Graduation)

- **Monitoring of Glacial Melt by Performing Time-Series Analysis (Gangotri Glacier)**
- **Analyzing the effect of UHI and pollution on fog holes (Indo-Gangetic Plain)**
- **Multi-Crop Identification Using Fourier Transformation and machine Learning: A Case Study of Usmanpur**

MINOR PROJECT

❖ **Project Title: Developing a tool for visualization and extraction of ICESat-2 (HDF5) data using Python.**

- Duration: Two months
- Organization: Indian Institute of Remote Sensing, ISRO, Dehradun
- Worked with ICESAT-2 ATL03 data (Altimetry data)
- Created a GUI using Python for easy data extraction
- Developed an understanding of HDF5 data format, applications like Panoply, HDFView, Open Altimetry for data visualization, extraction and manipulating data
- Scripting language: Python

ACADEMIC PROJECTS (Graduation)

- Report Title: "Socio-Economic Profile and Religious Tourism of Bikaner, Rajasthan Duration": 4th Semester
- Report Title: "Disaster Management: Awareness and Preparedness in Old Delhi": 3rd Semester
- Report Title: "Disaster Management based Project Report": 6th Semester
    1. College Disaster Preparedness Report and Evacuation plan.
    2. Fire Hazard and Community Vulnerability Report of Gautam Nagar.
    3. Risk Assessment of Sarojini Nagar Market.

SEMINARS, CONFERENCES & WORKSHOPS

- Participated in the Two-day National Conference on ICSSR Research Survey and Explorations in Economic Geography held on 22nd & 23rd March 2016 at JNU Convention Centre, Jawaharlal Nehru University, New Delhi.
- Participated in the National Conference on Himalaya Perspectives: People, Land and Resources held on 12th April 2016.
- Attended a workshop on Disaster Vulnerability and community resilience: Sharing Expertise and Experience. – 21st January 2017 Conducted by Green Beans Society, Kamala Nehru College in collaboration with JNU- Disaster Research Programme.
- Add on course on Environment conducted by Green Beans Society in collaboration with Dept. of Environment, Govt. of NCT of Delhi.
- Participated in one day workshop on college disaster preparedness plan organized by Dept. of Geography, Kamala Nehru College under the expertise of member of National Disaster Management Authority and Regional Coordinator of Geohazards International on 5th February 2018

CO-CURRICULAR ACTIVITIES

- **2015:** Acted as a part of creative member of Green Beans Society

- **2015:** Act as a part of creative team of "World Habitat Day" at Kamala Nehru College, University of Delhi.

- **2016:** Acted as a volunteer during the admission process at Kamala Nehru College, University of Delhi
  2016/17: Participated in quilling competition, poster making etc.
- **2018:** Acted as the creative head of Geography Department Fest "Geographika 2018" of Kamala Nehru College

SKILLS

- ✓ MS Office
- ✓ Quantum GIS (QGIS), ArcGIS, ERDAS,
- ✓ Primary Survey, data collection and interpretation
- ✓ Basic Programming Languages - Python, NCL
- ✓ Basic knowledge- Google Earth Engine, R

AREA OF INTEREST

- ✓ Geographic Information System & Remote Sensing
- ✓ Atmospheric Science & Climate Studies
- ✓ Hydrological Studies & Glacier studies
- ✓ Disaster Management

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date: 17th September 2020