

JINAL JAIN

Top-ranked graduate specializing in Technology in Disaster Management and recipient of the prestigious 2023 Berker Travel Award from AGU. Secured the first position in the first year of the master's program and holds a bachelor's degree in Geography Honors from Miranda House, University of Delhi. Aspiring to become a Physical Geographer specializing in disaster resilience and adaptation, with a commitment to applying innovative research and solutions for lasting impact

INTERNSHIP EXPERIENCE

April - May, 2023

Intern at Bhilwara District Disaster Management Authority

- Updated District Disaster Management, Relief and Civil Defense plan.
- Improved robustness and inclusivity of DM Plan, developing mitigation strategies for hitherto unaddressed disasters, preparation of Tehsil-wise disaster weighed maps, analysis of rainfall data (SPI) and making recommendations based on data for active and inclusive drought mitigation.

July -November 2021

Intern Trainee, Magendhiran Consultancy Services-

- Performed geospatial operations and spatial database creation - Tamil Nadu, March - 2023

Rural Internship II

- Assessed multi-dimensional vulnerability through Sustainable Livelihood Framework.
- Performed Participatory Rural Appraisal and Resource Mapping in Bavi village, Osmanabad, Maharashtra

Urban Internship II

- Water Supply Department, Sewage Treatment Plant, City Institute of Disaster Management, Brihanmumbai Municipal Corporation, Love Grove Pumping Station
- To understand the functioning of these departments and how they play a vital role in managing and addressing the problems that arises during the time of any kind of emergencies

November - 2023

Rural Fieldwork I

- HRVA and resource mapping of tribal villages of Shahapura taluk, Thane, Maharashtra

Urban Fieldwork I

- M ward - Shivaji Nagar & Nirankari Nagar - HRVA analysis 9th to 15th October 2022.

SPIC MACAY - Joint Convenor

- International Convention Anubhav 3 - Managed more than 150 Indian art form workshops online

21st to 27th June 2021.

SPIC MACAY -Compering Head

- International Convention - Anubhav 2

April -May 2021.

Community Manager - Riyaz Room

- Digital platform for Indian classical music - Systematized artist network



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EDUCATION

Tata Institute of Social Sciences, Mumbai

M.A in Disaster Management

2022-2024, 7.4 SGPA (I year)

- **Specialization- Technology in Disaster Management**
- **Relevant Courses:** Geospatial Technologies in Disaster Risk Mapping, Decision Science and Systems, Emergency Response and Supply chain management, Earth System Science and Hazards.

Miranda House, University of Delhi (NIRF Rank: 1 since 2017)

B.A Geography Honors

2019-2022, 8.95 CGPA

- **Minor in Philosophy**
- **Relevant Courses:** Geomorphology, Field Work and Research Methodology, Regional Planning and Development, Remote Sensing and GIS, Disaster Management based Project Work, Urbanization and Urban System, Statistical Methods in Geography

Mayoor School, Ajmer

Grade 12, CBSE , District Topper

2018-2019, 97.4%

Mathematics, Economics, Geography, Political Science, English, Fine Arts

KEY COMPETENCIES

GIS AND DATA ANALYSIS

- Spatial Data Visualization
- Resource & Vulnerability Mapping
- Statistical Proficiency
- Qualitative Data Analysis
- Monitoring and Evaluation
- Participatory Action Research
- Policy Analysis
- Coastal Management

DISASTER MANAGEMENT

- HRVA (Hazard Risk and Vulnerability Assessment)
- Disaster Management Plan
- Risk Matrix
- Eco-DRR
- Post-Disaster Needs Assessment
- Volunteer Management
- Community Capacity Development

TECHNICAL SKILLS

MS Office, ArcGIS, QGIS, Atlas.ti, Google Earth engine, Python- Google Collab, R Studio, Canva, Corel Draw, Filmora, Adobe Premiere Pro

RESEARCH EXPERIENCES

Master's Research Project

Ongoing

- Undertaking a research project on "Exploring hybrid-infrastructure options to enhance climate resilience of coastal communities - A case study of Mumbai, India"
- Conducting literature review, data collection, analysis, and report writing under the supervision of Dr. Ravindra Dhiman

National Geographers Youth Conclave

November -Jan 2022

- Participated in the conclave on "Domains of Emotional Geography: Environment, Culture & Society" organized by Shaheed Bhagat Singh College, Delhi University
- Presented a research paper titled "Female Mobility: Emotional Geographies of Migration and Marriage"

Research Oriented Summer Workshop

Jun - Jul 2021

- Attended the workshop on "Risk & Vulnerability Assessment from Disasters" organized by the Disaster Preparedness Team & Geography Department, Miranda House, Delhi University
- Conducted research on "Risk & Vulnerability Assessment of Kerala Floods 2018" and prepared a poster presentation

SCHOLASTIC ACHIEVEMENTS

- Awarded the Berkner Fellowship Travel Award for AGU Fall Meeting in 2023.
- Successfully cleared the GATE exam in Geomatics Engineering, demonstrating strong knowledge and understanding in the field.
- Secured the First Position in the 2021 Paper Presentation Competition with a focus on traditional drought mitigation methods, using Rajasthan as a case study.
- Achieved the Second Position in the 2020 Paper Presentation Competition with a focus on soil erosion in the Himalayan Region, highlighting the silent catastrophe in the area.
- Recognized with the Santha Medal for Excellence in Academics for outstanding performance in Board Exams in 2019.

EDUCATION & CERTIFICATIONS

- "Introduction to the Arctic: Climate Change" offered by the University of Alberta.
- "30x30 and Ocean Conservation" offered by 30x30India.
- "Understanding Land Use Change Detection in SAGA Software" by Swastik Edustart.

LANGUAGES KNOWN

- English, Hindi

RESEARCH INTERESTS

Integrated Coastal management, Resilience, Eco-DRR, Climate Change, Geospatial Analysis, Urban city solutions, Quantifying Risk

EXTRACURRICULAR ACTIVITIES

CULTURAL SECRETARY AT JTSDS

- Coordinated all cultural programs for Disaster Management School.
- Serve as a member of the Institute Cultural Team and organizing committee for Quintessence 2023.

SPIC MACAY

- Served as the President (2021-2022) of the Miranda House Chapter, leading a team of over 200 volunteers.
- Member of National Executive Team

FILMMAKING

- Served as Filmmaking Head from 2021-2022 and as a member from 2020-2021.
- Directed the short film "Bekhabar."
- Wrote the script for "NEET SOME LOVE."
- Organized "Behind the Scenes," a talk show focused on cinematography, during Chalchitra, the annual Celluloid festival.