

Shradha Birdika

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Clark University, Worcester, Massachusetts

Expected Graduation: May 2024

Bachelor of Arts and Sciences in Geography with a concentration in GIS, and Economics minor

GPA: 3.88

EXPERIENCE

Manatee County Government, Bradenton, Florida

May 2023 – August 2023

Interior Mapping Intern

- Led an interior mapping project for the Energy and Sustainability Division, standardizing floor plans to CAD files for seamless integration into GIS software, thus ensuring accurate spatial data analysis.
- Calculated and verified interior architectural measurements, enhancing property management's decision-making capabilities that impact budget planning, space management, and energy audits.
- Presented complex project results to County Leadership using engaging visuals and accessible language.

Human Environment Research Observatory, Worcester, Massachusetts

May 2022 – December 2023

Research Fellowship

- Facilitated in a study focused on the Urban Heat Island effect in environmental justice areas of Rhode Island.
- Conducted street tree surveys and analyzed air temperature and air quality data to identify key factors contributing to temperature disparities, paving the way for informed mitigation policies.
- Applied Participatory GIS techniques to perform spatial analysis of perceptions of Clark University's Hadwen Arboretum by interviewing greenspace users as part of an independent research project and honors thesis.
- Evaluated resulting maps to inform strategies for arboretum development and improved visitor satisfaction.

Robert H. Goddard Library, Worcester, Massachusetts

August 2021 – Present

Library Assistant

- Enhanced patron satisfaction by providing customer service for diverse library users.
- Addressed frontline information needs and connected stakeholders with appropriate academic resources.
- Supervised and coordinated clerks within the library circulation to ensure smooth daily operations.

ON-CAMPUS INVOLVEMENT

South Asian Student Association, Worcester, Massachusetts

August 2022 - May 2023

President

- Counseled executive board members to ensure the organization's success.
- Developed marketing strategies to engage the South Asian community on campus.
- Organized cultural celebrations, educational panels, and community service events.

ACADEMIC HONORS & AWARDS

- 2024 National Council for Geographic Education (NCGE) Excellence in Scholarship Award *May 2024*
- Phi Beta Kappa Society *March 2024*
- Alpha Sigma Chapter of Gamma Theta Upsilon (International Honor Society in Geography) *March 2024*
- High Honors for Geography Honors Thesis *December 2023*
- Dean's List (First Honors) *Spring 2021 – Fall 2023*

SKILLS

- **Data Management, Visualization, and Analysis Tools:** ESRI ArcGIS Suite, Google Earth Engine, RStudio, Microsoft Power Platform, TerrSet, NVivo, AutoCAD
- **Computer language:** Python, Java
- **Organizational tools:** Microsoft Business Suite
- **Spoken Languages:** English, Hindi, Bengali