Samriddhi Khare

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EDUCATION

University of Pennsylvania | Philadelphia, PA
Master of City Planning
Concentration and Courses: Cities and Technology: Quantitative Planning Methods, Land Use and Environmental Modeling, Geospatial Analysis in Python, Public Policy Analytics, Communication in Urban Spatial Analytics, Geospatial Cloud Computing, Machine Learning in Remote Sensing, Planning Workshop
Honors/Awards: Dean's Merit Scholarship ($50,000)

Visvesvaraya National Institute of Technology| Nagpur, India
Bachelor of Architecture
Honors/Awards: Graduated 95th Percentile; Awarded distinction in Architecture Design, Landscape Design, Urban Planning and Design, and Climatology; Elected Batch Representative, 2017; Elected English Literary Secretary, Collegiate Magazine, 2020

RELATED EXPERIENCE

Econsult Solutions: Center for the Future of Cities, *Research and Analysis Intern* | Philadelphia, PA June 2023 – Present

- Developed a comprehensive climate resilience index using R for major US cities through statistical analysis and qualitative research to inform city policy, rigorously evaluating the data using sensitivity training to minimize errors and optimize accuracy.
- Conducted queries on big data pipelines in Python and crafted policy memos for the City of Philadelphia. Topics included assessing the influence of smart city technology on housing equity and community engagement, analyzing the impact of work-from-home trends on American downtowns, and participatory planning.
- Authored multiple articles focusing on urban planning and data equity, with a particular emphasis on urban technology.
- Conducted interviews with thought leadership senior advisors, gathering valuable insights to inform the creation of client-based reports.

PennPraxis, *Analysis and Design Intern*| Philadelphia, PA February 2023 – Present

- Analyzed spatial data in R and ArcGIS to determine a vulnerability to closure for Philadelphia's school for local government and school districts to inform their facilities planning process.
- Created statistical models to preemptively mitigate the student redistribution at schools at risk for closure.
- Coordinated stakeholder meetings for activists and public school stakeholders.

City for All: Alliance Française and Social Design Collaborative, *Program Facilitator* | New Delhi, India May 2022 – June 2022

- Facilitated trans-national focus group discussions between French and Indian city planners and lower-income queer communities in New Delhi
- Mapped different marginalized groups' access to public spaces across multiple cities in India and France to be published as open-source data.

Saving Ajni, *Planning and Outreach Lead, GIS Specialist* | Nagpur, India October 2020 – January 2022

- Worked on a site proposal using predictive spatial analysis using raster data (Landsat), Google Earth Engine and remote sensing in ArcGIS.
- Mobilized groups of over 200 volunteers and professionals to prevent the destruction of 500+ acres of green buffer.

FELLOWSHIPS AND AWARDS

15 Minute City Competition, *Honorary Mention* | The Charette, International Competition May 2023 – July 2023

- Developing a context driven solution to urban issues in Nagpur, India focusing on planning amenities within a 15-minute walkability radius

Berkeley Essay Prize, *Fourth Place* | University of California, Berkeley, CA September 2021 – February 2022

- Essay titled "New Delhi and the Planning of Carcerality" examining inadequacies in affordable housing in relation to recidivism and incarceration in New Delhi, with the help of geo-statistical analyses.

SKILLS & INTERESTS

Technical: R, Python, SQL, ArcGIS, Google Earth Engine, MS Suite, Adobe Creative Suite, CAD, Rhino + Grasshopper
Skills: GIS Mapping and Spatial Analytics, Machine Learning Algorithms, Written and Verbal Communication, Data Visualization, Consensus Building, Public Outreach
Languages: English, Hindi

References available on request.